Master Course Packet
Onsite & Online
Full Time & Part-Time
Web Development, Data Science, Cybersecurity, and UI/UX Design

8000+
grads to date

Career Services
career support for life

Over 8000 alumni hired by tech companies worldwide

*As of Feb 2018 alumni data
Software Development
Full-Time Onsite

14 Week Immersive Bootcamp
3 Full Stack Curriculum

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Over 8000 alumni, hired by tech companies worldwide

*As of Feb 2018 alumni data
Onsite Bootcamp

Your career as a software developer starts on your first day in class.

Within 14 weeks we’ll turn you into a self-sufficient, versatile developer who has all the critical skills to have a long, healthy career in tech.

Learn by Doing

You’ll start coding from day one on campus. Dive into a fast, project-based learning environment that fosters collaboration, not competition.

Anyone Can Learn to Code

Anyone can learn to code, but the path to becoming a developer isn’t easy. The most successful students dedicate at least 70-90 hours/week to the bootcamp.

A Typical Day at the Dojo

Activities subject to change based on campus and curriculum
3 Full Stack Curriculum

We're here to maximize your career opportunities and coding mastery. You’ll learn 3 full stacks, have a portfolio to show, and 3x the job prospects.

Level Up, Stack by Stack

Curriculum subject to change during attendance due to mid-course improvements.
## Software Development

**Full-Time Online**

3 Full Stack Curriculum

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Over 8000 alumni, hired by tech companies worldwide

*As of Feb 2018 alumni data*
Online Full-Time

No matter where you are in the world, your career as a software developer starts on your first day.

Within 14 weeks we’ll turn you into a self-sufficient, versatile developer who has all the critical skills to have a long, healthy career in tech.

Hands-on, Structured Teaching

Dive into an immersive online learning environment filled with live mentorship, instruction, and collaboration with real instructors and classmates.

Anyone Can Learn to Code

Anyone can learn to code, but the path to becoming a developer isn’t easy. The most successful students dedicate at least 70-90 hours/week to the bootcamp.

A Typical Day in the Online Bootcamp

Activities subject to change based on campus and curriculum
3 Full Stacks Online
We’re here to maximize your career opportunities and coding mastery. You’ll learn 3 full stacks, have a portfolio to show, and 3x the job prospects.

Level Up, Stack by Stack

Curriculum subject to change during attendance due to mid-course improvements
Software Development Part-Time Online

Accelerated and Flex Pacing
2-4 Hours / Week in Lecture
10-30 Hours / Week in Self-Study

10-30 Hrs per week
3 Stacks to choose from
16 to 28 Wks flexible schedule

Over 8,000 alumni, hired by tech companies worldwide

*As of Feb 2020 alumni data
Online Part-Time

In 16 to 28 weeks, you can transition to a career in development without quitting your day job.

This program is a flexible alternative that provides full, online access to our 3-stack curriculum -- complete with live support and collaboration with instructors and classmates.

Two Options to Fit Your Schedule

ACCELERATED

16 weeks
25 hrs/wk

Complete web fundamentals, then choose from the following stacks:

FLEX

28 weeks
14 hrs/wk

Complete web fundamentals, then start Python

ONLY Python is available through Flex at this time.
ACCELERATED

Learn to build applications in the top programming stacks of 2020. Pick between Python, JavaScript, or Java as your stack, or choose to extend the program and learn multiple languages.

Your Progression Plan

You’ll work on Algorithms daily. Career services also start Day 1 of Web Fundamentals.

A Typical Week in the Part-Time Program

- **Self Study**
  - 70-100 hours/wk in Accelerated
  - 10-15 hours/wk in Flex

- **30 min. Code Review**
  - Get assignment feedback in small groups. Available Mon-Fri as instructors’ schedules allow

- **TA Support**
  - Mon-Fri: 11:00am - 8:00pm
  - Sat-Sun: 8:00am - 6:00pm
  - All times in PST

Activities subject to change based on campus and curriculum.
Time Management

Here's what a typical week might look like for someone who continues to work full-time as well as participate in family activities while in the Accelerated program.

Pro Tips from Student Success

Overestimate the time you need for self-study

The Part-Time Online program expects you to dedicate at least 20 hours per week in the learning platform working through content. So, for the first few weeks, allocate 24 hrs for that work. It is easier to scale back than scale up.

Create a calendar and stick with it!

It sounds simple, but a calendar can be shared with family and friends to help you stay accountable and to get insight into when you’re going to be heads down. It also gives you a reality check into how much time you actually spend.

List out responsibilities and see who can help

Create a list of your household and family responsibilities. See if you can offload any tasks or get additional help from housemates, friends, and family. If you’ll be working during this time, do the same exercise with coworkers.
FLEX

The same Python curriculum, over a longer amount of time, so you can manage the rest of your commitments more easily.

Your Progression Plan

Week 1 - 8
Web Fundamentals
- HTML
- CSS
- JavaScript

Week 9 - 24
Python Full Stack
- Python
- OOP
- Flask
- MySQL
- Ajax

Week 25 - 28
Projects & Algorithms
- Projects
- Algorithms

Unlike the Accelerated program, you do not have a choice of stack.
You also do not have the option to add any additional stacks at this time.

Whether you choose Accelerated or Flex, we are here to support you.

Hands-on, Structured Teaching
Dive into an immersive online learning environment filled with live mentorship, instruction, and collaboration with real instructors and classmates.
All from the comfort of your own home.

Anyone Can Learn to Code
Anyone can learn to code, but the path to becoming a developer isn’t easy. Students typically dedicate 20-30 hours a week to self-study in the accelerated program, and 10-15 hours in Flex.
<table>
<thead>
<tr>
<th>HTML</th>
<th>Github</th>
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<tbody>
<tr>
<td>Intro to HTML</td>
<td>How to Use a Github Repository</td>
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<tr>
<td>Basic Nesting</td>
<td>Forking, Cloning, &amp; Pulling*</td>
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<tr>
<td>Practices, Indentation</td>
<td>Github Collaboration &amp; Workflow*</td>
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<td>The Head &amp; Body</td>
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<td>Body Tags (lists,</td>
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<td>tables, etc.)</td>
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<tr>
<td>Building Forms</td>
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<td>&amp; Declaring Input</td>
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<td>Values</td>
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<td>Containers,</td>
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<td>Elements, Attributes, &amp; Classes</td>
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<th>CSS</th>
<th>jQuery</th>
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<tbody>
<tr>
<td>Intro to CSS</td>
<td>Intro to jQuery</td>
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<tr>
<td>CSS Selectors &amp;</td>
<td>jQuery Functions &amp; Debugging</td>
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<tr>
<td>Declarations</td>
<td>Parameters &amp; Getters/Setters</td>
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<tr>
<td>Inspecting Element</td>
<td>Essentials of the jQuery Library</td>
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<td>Inline, Block,</td>
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<td>Float, and</td>
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<td>Positioning</td>
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<td>Div Layout &amp;</td>
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<td>Formatting</td>
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<td>Styling Text &amp;</td>
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<td>How Fonts Work</td>
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<td>Using Properties &amp;</td>
<td>Implementing Dynamic Content</td>
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<tr>
<td>Backgrounds</td>
<td>Callbacks in jQuery</td>
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<tr>
<td>Replicating</td>
<td>Traversing DOM Elements</td>
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<tr>
<td>Complete User</td>
<td>Forms in jQuery</td>
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<tr>
<td>Interfaces</td>
<td>jQuery UI Library &amp; More Libraries*</td>
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<thead>
<tr>
<th>Git / Github</th>
<th>Responsive Web Design*</th>
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<tbody>
<tr>
<td>Git &amp; Version</td>
<td>Intro to Responsive Web Design (RWD)</td>
</tr>
<tr>
<td>Control</td>
<td>Breakpoints, Units, &amp; Media Queries</td>
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<tr>
<td>Using Terminal</td>
<td>Basics to Typesetting &amp; Scaling</td>
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<tr>
<td>Commands</td>
<td>Cross-device RWD</td>
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<tr>
<td>How to Create &amp;</td>
<td>Grid System, Fluid Grids, &amp; Adaptive</td>
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<tr>
<td>Utilize a Repository</td>
<td>Layouts</td>
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<td>Making, Tracking,</td>
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<td>&amp; Reverting Changes</td>
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<tr>
<td>Git Workflow Overview &amp; States*</td>
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<tr>
<td>Advanced Git Commands &amp; Concepts*</td>
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<td>Branching, Merging, &amp; Conflicts*</td>
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<td>Intro to CSS3 &amp; More Styling*</td>
<td>Git &amp; Version Control</td>
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<tr>
<td>Building Shapes</td>
<td>Using Terminal Commands</td>
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<tr>
<td>Constructing Complex Tables</td>
<td>How to Create &amp; Utilize a Repository</td>
</tr>
<tr>
<td>Intro to Bootstrap</td>
<td>Making, Tracking, &amp; Reverting Changes</td>
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<tr>
<td>CSS Preprocessors, LESS, &amp; SASS</td>
<td>Git Workflow Overview &amp; States*</td>
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*Optional topics
Python
Full Stack Development

MySQL
Intro to MySQL
Database Design & Relationships
Entity Relationship Diagrams (ERD)
Database Normalization
MySQL Workbench & Querying
Conventions & Common Data Types
How to Use ERDs
Using a Database with Your UI
Recreating ERDs*

Python
Intro to Python
Variables, Data Types & Best Practices
Using Strings & Built-in String Functions
List Creation & Manipulation
Using Tuples & Built-in Tuple Functions
How to Use Dictionaries in Python
Conditionals, Operators, & Nested Loops
Constructing Functions in Python

Python OOP
Intro to Object Oriented Programming
Creating Objects & Classes
Adding Properties/Attributes to Classes
Constructing & Adding Methods to Classes
Chaining Methods & Using Magic Methods
How to Use Modules & Packages in Python
Creating Multiple Objects
Updating Methods with ‘Super’

Python Test Driven Development (TDD)
Unit Testing in Python & Outcomes
How to Use Assertions Using
TDD Methods: setUp & tearDown

Advanced Python
How to Use Multiple Arguments
Ternary Operators in Python
Using Lambda
Overriding Inheritance & Polymorphism
Using Composition Over Inheritance

Flask
Intro to Flask
Routing in Flask Applications
Building & Using Forms
Rendering Templates & Views
Delivering Static Content
The Different HTTP Methods
Implementing Cookies & Sessions
Hidden Inputs & Form Validation

Flask w/ SQL
Import, Export, & Connect Your Database
Connecting & Running Python Across Files
Database Communication & Validation
Encryption & Data Security Basics

Deployment
Amazon Web Services (EC2)
Linux
PostgreSQL

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<table>
<thead>
<tr>
<th>Java Fundamentals</th>
<th>Java Spring</th>
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<tr>
<td>Intro to Java</td>
<td>Spring Fundamentals</td>
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<td>Spring Overview</td>
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<td>Spring Tool Suite</td>
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<td>Intro to Spring Boot</td>
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<td>Spring MVC Apps</td>
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<td>Java OOP</td>
<td>Spring Data I &amp; II</td>
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<tr>
<td>Intro to Object Oriented Programming</td>
<td>MySQL Connections</td>
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<td>Repositories &amp; Spring Data - JPA</td>
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<td>Persistent Model Annotations</td>
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<td>Spring Security</td>
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<td>Use of Static</td>
<td>Spring Security Overview</td>
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<td>Interfaces &amp; Abstract Classes</td>
<td>Authentication &amp; Authorization</td>
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<td>Spring MVC Integration</td>
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*Optional topics
### JavaScript

**Fundamentals**
- Declaring & Referencing Variables
- Variable Hoisting in JavaScript
- Conditionals, Operators, & Nested Loops
- Using Arrays & Loops in JavaScript
- Objects, Functions, & Function Scoping
- Variable Hoisting with Scoping
- Return Statements in JavaScript
- Function Hoisting

**JavaScript OOP**
- How to Use Object Constructors
- Common Constructors: ‘This’ & ‘New’
- Private Methods & Variables
- Creating Prototype Objects in JavaScript
- Best Practices for JavaScript OOP

**Advanced JavaScript**
- How to Use Callbacks
- Delegating Functionality & Event Handling

### Express.JS

- Render Templates With Express View Engines
- HTTP Methods: Forms, Data Transfers, & Routing

### Socket.io

- Applications with Real-time Communication

### MongoDB

**MongoDB & Mongoose**
- MongoDB Overview, CRUD Ops
- Intro to Mongoose
- Dependencies in Mongoose
- Mongoose Communication with MongoDB
- Mongoose Methods
- Data Validation with Mongoose
- Create Associations Between Mongo Objects
- RESTful Routing with Mongoose & Express

### React

- Create React App
- Class Based Components
- Props, Children, Synthetic Events
- State, LifeCycle Methods
- Functional Components
- useState, useEffect, useReducer
- context API

### Node.JS

**Intro to Node**
- How to Use Package Managers (NPM/Bower)
- File System Module & HTTP
- Making a Full Web Server
- How to Work with Node Modules
- Common & Useful Node Modules

**Modularization**
- Using Require & Module.exports
- How to Modularize Existing Projects

### Deployment

- Amazon Web Services (EC2)
- Linux
- Production Environments
- Heroku

*Optional topics*
C# Fundamentals

Intro to C#
- .NET Core Console Applications
- Variables, Types, Type Casting, & Functions
- Control Structures
- Debugging .NET Core Applications (VS Code)

C# OOP

Intro to Object Oriented Programming
- Classes & Objects
- Access Modifiers
- Inheritance & Polymorphism
- Encapsulation with Properties

Advanced C# OOP
- Interfaces
- Abstract Classes
- Generics

Data Structures
- Singly Linked Lists
- Doubly Linked Lists
- Tries

ASP.NET Core
- Dependency Injection with ASP Services
- MVC Architecture
- Razor View Engine
- View Modeling
- Extension Methods
- Custom User Authentication/Authorization

Object Relational Mapping (ORM)

Working with ORMs
- LINQ
- Dapper
- Entity Framework Core

Identity Framework Core

User Authentication/Authorization
- Identity Roles
- Third Party OAuth

Deployment
- Amazon Web Services (EC2)
- Linux
- Production Environments
- Hosting with Nginx/Supervisor
Data Science & Machine Learning in Python

Learn Data Science Online in 16 Weeks

Part-Time class commitment
Career Focus built into curriculum
Learn by Doing real projects, real data

Over 8,000 alumni, hired by tech companies worldwide

*As of Feb 2018 alumni data
Overview

Take a deep dive into the fundamentals of data science and machine learning in Python over 16 weeks. You’ll gain a comprehensive understanding of the entire data science process from end-to-end, including data prep, data analysis and visualization, as well as how to apply machine learning algorithms to various situations or tasks.

You’ll walk away with a project portfolio showcasing your data science acumen as well as an understanding of one of the fastest growing job sectors out there.

Designed for the Real World

Learn By Doing
A practical, accelerated curriculum designed for you to fix real-work problems by building real Data Science projects and solutions. You’ll tackle over 100 interview-style questions so that you’re fully prepared for the job search.

Hands-On Training
Learn modern Data Science through hands-on assignments, projects, and mentorship from your instructor. Lectures are always live. You also have to access to TAs.

Core Concepts, Real Data-Sets
In 16 weeks, you’ll learn the principle concepts and technologies behind modern Data Science, and work on real data-sets and problems to put your learning into practice.

End-to-End, Extensive Curriculum
We’ll cover the full Data Science process and the technologies to do the job, from data prep with Python libraries, to data modeling in Scikit-Learn, to visualization and presentation.
WEEK 1
**Python for Data Science**
Learn the Python fundamentals needed for data science.

WEEK 2
**Manipulating and Understanding Data**
Learn how to load, clean, and manipulate data using the Python library Pandas. Additionally, you will learn the strengths and weaknesses of using Python to manipulate data.

WEEK 3
**Foundations of Data Modeling**
Build visualizations to not only understand your data, but also how to communicate results to stakeholders.

WEEK 4
**Statistical Inference**
Learn how to use Python to implement key statistical techniques and understand statistics better by experimenting with Python on real-world datasets. This week concludes with a project to showcase your knowledge.

WEEK 5
**Intro to Machine Learning**
What is machine learning and why should you use the Python library Scikit-Learn for Machine Learning. Topics include types of machine learning, how to format your data to be acceptable for an algorithm, and how to train an algorithm.

WEEK 6
**Decision Trees & Random Forests**
Learn about tree-based machine learning algorithms, how to tune them to maximize their performance, and the strengths and weaknesses of each algorithm. Additional topics include feature selection for machine learning, and comparing machine learning algorithms.

WEEK 7
**Logistic Regression and Regularization**
Learn about the logistic regression algorithm and get a visual understanding of how the algorithm works. Additional topics include: logistic regression for multiclass classification, L1 and L2 regularization, and hyperparameter tuning the algorithms learned so far.

WEEK 8
**Clustering Algorithms**
You’ll learn about a host of clustering algorithms, how to tune them, and the strengths and weaknesses of each.
WEEK 9

**Dimensionality Reduction**

What is dimensionality reduction. How to use it for data visualization, speed up machine learning algorithms, and understand your data better. Algorithms covered include Principal Component Analysis (PCA).

WEEK 10

**Gradient Boosting Machines**

Learn what gradient boosting algorithms are, why they are so performant, and how to get started with Kaggle competitions.

WEEK 11

**Using SQL with Python**

Working with databases is an essential part of being a data analyst, data scientist, and data engineer. This unit will cover how SQL and Python work together.

WEEK 12

**Intro to Deep Learning**

Learn about why deep learning has transformed industries, various deep learning frameworks, and when to use deep learning techniques. Topics include recurrent neural networks (RNN) and Convolutional Neural Networks (CNN).

WEEK 13

**Database Architecture**

Become familiar with entity relationship diagrams (ERD) and learn the advantages of using a relational database. Learn intermediate SQL queries to access and aggregate information.

WEEK 14

**Intro to ETL**

Develop an understanding of the process of extracting, transforming, and loading data.

WEEK 15

**Introduction to Statistics**

Learn tools for statistical analysis including measures of central tendency, variance and standard deviation and comparing means.

WEEK 16

**Model Assumptions**

Explore model assumptions and how to test for them. Apply this knowledge to choose the appropriate model for a data set.
Part-Time Online Cybersecurity Bootcamp

24 Weeks to a Cyber Career

Part-Time class commitment
Career Services Included
Learn by Doing 50-75% Lab Work

Over 8,000 alumni, hired by tech companies worldwide

*As of 2020 alumni data
Overview

The importance of cybersecurity today cannot be overstated. As our reliance on technology grows, there’s a corresponding need to secure and defend networks and data against leaks, theft, and attacks. That’s good news for cybersecurity specialists - the U.S. Bureau of Labor Statistics projects cybersecurity jobs will grow 31% through 2029. In short, there’s job security in cybersecurity.

What You’ll Get

Top Industry Certifications
Learn skills applicable to certifications such as the Network+, Linux+, Server+, Cloud+, and certified Ethical Hacker (CEH), and receive vouchers for CompTIA Security+ and CySA+.

Learn By Doing
Gain hands-on experience with a host of popular tools such as Wireshark, Kali Linux, Metasploit, and more within a sandbox environment.

Cyber-Specific Career Services
Receive personalized career support from a dedicated cybersecurity career services manager, and keep your career service access for life.

End-to-End, Extensive Curriculum
Cover the latest real-world deployment of cybersecurity management practices, including defensive and offensive tactics, NIST Cybersecurity Framework, and event & incident management.
A Professional-Grade Curriculum

From CompTIA Security+ to CySA+ certifications and beyond, our Cybersecurity program teaches students critical skills to assist in the identification, assessment, reporting, and mitigation of technology and information security risks.

This professional-grade program provides information, strategies, and tactics to identify and manage information system vulnerabilities, create effective defenses and preventative measures, and deploy countermeasures against attackers.

After completing Coding Dojo’s Cybersecurity program, students are mission-ready to identify, assess, report, and mitigate technology and information security risks.

Your Progression Plan

- **Weeks 1 - 0** Pre-Course
  - Schedule
  - Expectations
  - Readings
  - Assignments
  - Set up VM

- **Weeks 1 - 8** Core Track
  - Command Line
  - Kali Linux
  - Vulnerabilities
  - PowerShell
  - IOCs & Firewalls

- **Weeks 9 - 16** Intermediate Track
  - SIFM
  - Wireshark
  - Nmap
  - IAM
  - Metasploit
  - Cloud Security
  - Eternal Blue
  - Ethical Hacking

- **Weeks 17 - 24** Professional Track
  - Metasploit
  - Pen Testing
  - Burp Suite
  - Malware
Week-By-Week Curriculum
Curriculum is subject to change

WEEK 1
**Fundamentals**
Dive right in with broad exposure to cybersecurity including: Controls, Frameworks, Benchmarks, Virtual Machines, Threats, Vulnerabilities, Defenses, Secure Software, Testing, Cryptography

**Labs:**
- VM Setup
- Windows & Mac Directions
- Network Settings
- Scanning Networks
- Packet Sniffing

WEEK 2
**Kali Linux Introduction**
Continuing the broad exposure adding more major cybersecurity elements. Build out your Kali Linux machine while also learning about networking and data security.

**Labs:**
- Nessus installation
- Password Cracking

WEEK 3
**Networking & Security**
Learn about network configurations and data security, including Network Design, Firewall Configuration, Access Control.

**Labs:**
- Basic ACL
- Firewall Configuration Kali
- Secure Network Design

WEEK 4
**Malware & Intrusion Detection**
Viruses and Ransomware, intrusion detection, useful tools, introduction to embedded (control) systems, secure shell, mobile & endpoint security.

**Labs:**
- Snort Installation
- SSH
- Endpoint Protection

WEEK 5
**Virtual Machines**
Learn more about Virtual Machines, malicious code, Disaster Recovery, and Powershell

**Labs:**
- Malicious Code
- Powershell Security

WEEK 6
**Incident Response & Forensics**
Identifying and responding to incidents, technical and legal elements of forensics

**Labs:**
- Configuring an Intrusion Detection System
- Incident Response
- Digital Forensics

WEEK 7
**Resiliency & Automation**
Learn how resiliency, automation, and backups provide essential and fundamental protection

**Labs:**
- Backup

WEEK 8
**Cyber Career Prep**
Tabletop exercises are effective for learning, preparing, and solving problems before they happen

**Labs:**
- Tabletop Exercise
- Career Preparation
- Belt Exam Sec+
Week-By-Week Curriculum
Curriculum is subject to change

WEEK 9

**Threat Assessments**
Understand roles and responsibilities, security controls, indicators of compromise, understanding threats, attack tools, monitoring networks

**Labs:**
- IoC Investigation
- Network Group Assignment

WEEK 10

**Network Access Control**
Protect networks, monitor and analyze various services for signs of compromise, run scripts, understand and use SIEM (Security Information and Event Management)

**Labs:**
- Wireshark Analysis
- Log Analysis
- Windows Security Logs
- Analyzing Email Headers
- SIEM Group Assignment

WEEK 11

**Intermediate Forensics**
Examining forensic tools and techniques, digging into indicators of compromise, understanding detection and containment, learning digital evidence collection, understanding frameworks, policies and procedures, exploring attacker lateral movement and pivoting.

**Lab:** Digital Evidence Collection (2 day lab)

WEEK 12

**Intermediate Incident Response**
Review of the phases of IR for further in depth work, participate in extended lab exercise, as well as understand the critical importance of effective recovery.

**Lab:** IR Writing Assignment (2 day lab)

WEEK 13

**Risk Analysis**
Understanding and managing risk is a key to security professional and program success; enumeration, credential security, and vulnerability assessment are key to effectiveness of security professionals and programs.

**Labs:**
- Risk Management
- Nmap Formatting
- Credential Security

WEEK 14

**Regulation**
Wireshark, Regulations, IAM, Network segmentation and other protections, Linux auditing, hardware assurance, specialized technologies

**Labs:**
- Another Wireshark
- Research Assignment (Regulations)
- Linux Audit

WEEK 15

**Share Permissions**
Learn technical and non-technical controls, various related regulations, the relationship of security and privacy, how to configure and analyze share permissions, and mitigate attacks

**Lab:** Configuring and Analyzing Share Permission

WEEK 16

**Cloud Access with OWASP**
Learn cloud technologies and how to protect your cloud-based solutions.

**Labs:**
- OWASP Research
- Web Assessment
- Belt Exam CySA+
<table>
<thead>
<tr>
<th>WEEK 17</th>
<th><strong>Ethical Hacking</strong></th>
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<tbody>
<tr>
<td>Discuss the ethics of hacking while learning penetration testing, Metasploitable2 and Eternal Blue</td>
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<tr>
<td><strong>Labs:</strong></td>
<td></td>
</tr>
<tr>
<td>- Metasploitable3 &amp; Good Gone Bad</td>
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<tr>
<td>- Eternal Blue</td>
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<tr>
<th>WEEK 18</th>
<th><strong>Footprinting</strong></th>
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<tbody>
<tr>
<td>Understanding the underlying capabilities of search engines, WHOIS, DNS, nmap, dirbuster and gobuster, nikto, social engineering, specialized scanners, SNB enumeration</td>
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<tr>
<td><strong>Labs:</strong></td>
<td></td>
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<tr>
<td>- Footprinting Assignment</td>
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<tr>
<td>- Specialized Scanners</td>
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<td>- SMB Enumeration</td>
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<tr>
<th>WEEK 19</th>
<th><strong>Proactive Threat Hunting</strong></th>
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<tbody>
<tr>
<td>Become proactive in your approach to cybersecurity by seeking threats.</td>
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<tr>
<td><strong>Labs:</strong></td>
<td></td>
</tr>
<tr>
<td>- Vulnerability Scanning 1 of 2</td>
<td></td>
</tr>
<tr>
<td>- Vulnerability Scanning 2</td>
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<tr>
<td>- BurpSuite Setup</td>
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<thead>
<tr>
<th>WEEK 20</th>
<th><strong>Mobile Pen Testing</strong></th>
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<tbody>
<tr>
<td>Learning Local File Inclusion and Remote File Inclusion, SQL injection techniques and defences, hacking and testing mobile devices.</td>
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<tr>
<td><strong>Labs:</strong></td>
<td></td>
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<tr>
<td>- LFI/RFI</td>
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<tr>
<td>- SQL Injection</td>
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<tr>
<th>WEEK 21</th>
<th><strong>Buffer Overflow</strong></th>
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<tbody>
<tr>
<td>Learn to counter and create a buffer overflow attack on Windows / Linux</td>
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<tr>
<td><strong>Labs:</strong></td>
<td></td>
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<tr>
<td>- Windows BOF</td>
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<tr>
<td>- Analyzing Output from Web Application Assessment Tools</td>
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<tr>
<th>WEEK 22</th>
<th><strong>Advanced Malware</strong></th>
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<tr>
<td>Add to your malware knowledge with advanced techniques and tools.</td>
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<tr>
<td><strong>Lab:</strong> Malware Analysis</td>
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<tr>
<th>WEEK 23</th>
<th><strong>File Transfers</strong></th>
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<tr>
<td>Learn to elevate privilege to fully exploit the platform, monitor the network, or access other systems during an attack.</td>
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<tr>
<td><strong>Labs:</strong></td>
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<tr>
<td>- Linux Privesc</td>
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<tr>
<td>- Windows Privesc</td>
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<tr>
<th>WEEK 24</th>
<th><strong>Exploits &amp; Password Attacks</strong></th>
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<tbody>
<tr>
<td>Learn various sources for exploits and how to use them, the use of Shells, password attacks. With great power comes great responsibility!</td>
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<tr>
<td><strong>Labs:</strong></td>
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<tr>
<td>- How Many Shells?</td>
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<tr>
<td>- Password Attacks</td>
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Online Part-Time UI/UX Design

Become a UI/UX Pro in 24 weeks

Part-Time
class commitment

Career Services
Included

Learn by Doing
50-75% Design Work

Over 8,000 alumni, hired by tech companies worldwide

Google  Amazon  Facebook  IBM  Microsoft  LinkedIn  Uber

*As of 2020 alumni data
Overview

Our UI/UX Design course is a flexible alternative for people trying to change careers or get ahead in their current roles. It features real-time support from instructors, our industry-tested learning platform, hands-on professional assignments and much more. Ideal for students who cannot commit to a full-time course, this course is designed to skill you up quickly to achieve a career in UX/UI design.

What You’ll Get

Real Client Project
You will solve real UI/UX problems by working with real clients by honing your design presentation skills and how to effectively communicate your design process to your business stakeholders.

Learn By Doing
Gain hands-on experience with a host of popular design tools such as Figma, Figjam, Miro, Zoom, GDrive, Gdocs.

UI/UX Specific Career Services
Receive personalized career support from a dedicated UI/UX career services manager, and keep your career service access for life.

End-to-End, Extensive Curriculum
This program is divided into 3 phases. Phase 1 is where you’ll learn the fundamentals of UX research, UX design, and UI design. The training wheels come off in phase 2 and 3 when you get to work on a real client project.
A Professional-Grade Curriculum

The program has been designed by industry professionals with feedback from real UI/UX designers and product designers in the field to deliver a curriculum that will give you the relevant skills necessary to be job ready upon completion.

This professional-grade program provides you with the information and knowledge necessary to design functional and beautiful digital products.

After completing Coding Dojo’s UI/UX program, you’ll be ready to research, concept, design, develop, and test your own digital products.
Progress through the Part-Time UI/UX Program

The program has been designed by industry professionals with feedback from real UI/UX designers and product designers in the field to deliver a curriculum that will give you the relevant skills necessary to be job ready upon completion.

Pre-Work

Learn the basics and prep for your entry into the UX/UI Design program. You'll spend 2 weeks getting a solid understanding of the next 24 weeks, as well as install and learn tools you'll be using throughout the program.

- • What is User Experience?
- • What is Design Thinking?
- • UX & UI design Skills
- • UX Design Process
- • User Research
- • Personas
- • Problem Statements
- • UX/UI Design Roles
- • UI Design
- • Accessibility
- • Intro to Figma
- • Design Careers

UX Design

- • Research plans
- • Research techniques
- • Surveys
- • Business Analysis
- • Competitive Research
- • Design synthesis
- • User Interviews
- • Affinity diagramming
- • Journey maps
- • Problem Statements
- • Design principles
- • Usability heuristics
- • Ideation
- • Concepting
- • Task flows + analysis
- • Card sorting
- • Paper prototyping
- • Validation and testing
- • Design patterns
- • Interaction framework
- • Figma Prototyping
- • Microinteractions
- • Heuristic evaluation
- • Responsive design
- • Web/Mobile patterns
- • Design Systems
- • UX File handoff

UI Design

- • Research plans
- • Research techniques
- • Surveys
- • Business Analysis
- • Competitive Research
- • Design synthesis
- • User Interviews
- • Affinity diagramming
- • Journey maps
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- • Figma Prototyping
- • Microinteractions
- • Heuristic evaluation
- • Responsive design
- • Web/Mobile patterns
- • Design Systems
- • UX File handoff

Client UX Design

- • Stakeholders & SMEs Interviews
- • Client Project Management
- • Trello
- • Research and Strategy
- • Business Model Canvas
- • Presenting to Clients
- • Personas & Problem Statements
- • Design Synthesis & Insights
- • Task Flows
- • Client Concepts
- • Information Architecture
- • Sitemaps
- • Card Sorting
- • Figma
- • Wireframing
- • Prototyping
- • Visual Competitive Analysis
- • Moodboards and Style Tiles
- • High Fidelity Screens
- • Mobile/Responsive Grids
- • High Fidelity Prototypes
- • Usability Testing
- • Design Systems
- • Sprint Presentations
- • UX Handoffs

Client UI Design

- • Stakeholders & SMEs Interviews
- • Client Project Management
- • Trello
- • Research and Strategy
- • Business Model Canvas
- • Presenting to Clients
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- • Usability Testing
- • Design Systems
- • Sprint Presentations
- • UX Handoffs

Resumes & Job Prep

- • Values Reports
- • Employer Research
- • Crafting a Design Resume
- • Design Challenges
- • Personal Branding
- • LinkedIn
- • Personal Statements
- • Case Study Writing
- • Portfolio Development
- • Portfolio Presentations
- • Interviewing Techniques
- • Salary Negotiation
- • UX/UI Roles
- • Guest Speakers
- • Post Grad planning

Design Portfolios

- • Values Reports
- • Employer Research
- • Crafting a Design Resume
- • Design Challenges
- • Personal Branding
- • LinkedIn
- • Personal Statements
- • Case Study Writing
- • Portfolio Development
- • Portfolio Presentations
- • Interviewing Techniques
- • Salary Negotiation
- • UX/UI Roles
- • Guest Speakers
- • Post Grad planning

Career Phase

- • Values Reports
- • Employer Research
- • Crafting a Design Resume
- • Design Challenges
- • Personal Branding
- • LinkedIn
- • Personal Statements
- • Case Study Writing
- • Portfolio Development
- • Portfolio Presentations
- • Interviewing Techniques
- • Salary Negotiation
- • UX/UI Roles
- • Guest Speakers
- • Post Grad planning
**Week-By-Week Curriculum**

Curriculum is subject to change

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**WEEK 1**

**Project Kick-off, Discovery and Strategy**

Learn about user-centered design and design thinking.

**Activities:**
- Welcome to Coding Dojo's UI/UX Design Program
- User-Centered Design and Design Thinking
- Creative brief, teams, and work expectations
- Feedback and Design Critique

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**WEEK 2**

**Research Planning & Implementation**

Learn to problem solve through user research.

**Activities:**
- Understanding Research
- Research Methodology and Techniques
- Domain Research and Competitive Analysis
- Site Audit

---

**WEEK 3**

**Conducting User Interviews**

Learn the art of conducting user interviews and gathering insights to build empathy.

**Activities:**
- User Research
- Guide to User Interviews
- Sourcing Users for Research & Testing

---

**WEEK 4**

**Research Data Synthesis**

Practice analyzing and synthesizing the research you gathered.

**Activities:**
- Affinity Mapping and Research Synthesis
- Why and How We Develop Personas
- Problem Statements and Design Principles

---

**WEEK 5**

**Concepting & Prototyping**

Learn how to ideate and concept problem solving design solutions.

**Activities:**
- Ideating & Concepting with 685 Sketching
- Task Flows
- Concepts and Feature Validation
- Formative Testing vs. Summative Testing

---

**WEEK 6**

**Testing, Iterating & Converging**

Converge your designs after multiple rounds of testing and iterating.

**Activities:**
- Testing Methodologies
- Conducting usability tests
- Feature validation & converging Prototypes

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**WEEK 7**

**Communicating Your Designs**

Deliver your presentations and communicate your designs effectively.

**Activities:**
- Creating Effective Design Presentations
- UX Design Handoff & Annotations
- Working with stakeholders

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**WEEK 8**

**Developing Your User Interface**

Develop your visual design style and UI process.

**Activities:**
- Getting started with UI Design
- Visual Design & Best Practices
- Creating Design Mockups
- Fonts, Color in Design
- Working with Grids (Responsive Design)
WEEK 9

**Translating Designs to High Fidelity**

Develop your visual eye by producing beautiful high fidelity interfaces.

**Activities:**
- Responsive Web Design
- High Fidelity Web Designs - Round 1
- High Fidelity Web Designs - Round 2
- High Fidelity Web Prototypes

WEEK 10

**High Fidelity Prototyping and Testing**

Conduct usability testing of your high fidelity prototypes.

**Activities:**
- Usability & Desirability Testing High Fidelity Designs
- Mockups to HF Screens
- Creating HF Prototypes in Figma
- Testing Visual Designs

WEEK 11

**Handoff & Design Systems**

Learn how to properly handoff your design deliverables by building a design system.

**Activities:**
- Usability & Desirability Testing High Fidelity Designs
- Mockups to HF Screens
- Creating HF Prototypes in Figma
- Testing Visual Designs

WEEK 12

**Working w/ Clients & Project Kickoff**

Work with a real client on a design project that you can showcase in your portfolio.

**Activities:**
- Client Project process
- Communication and cadence
- Expected deliverables and scope

WEEK 13

**Project Specifications, Scope and Strategy**

Utilize the skills you’ve gained to define your project specifications and scope.

**Activities:**
- Getting Started with Research
- Domain & Competitive Analysis
- Client Project presentation

WEEK 14

**User & Stakeholder Interviews**

Conduct research with your users and client stakeholders.

**Activities:**
- Evaluating Users for Research & Testing
- Subject matter expert (SME) interviews
- User/SME Interview script
- Initial Synthesis and Takeaways

WEEK 15

**Research Synthesis & Insights**

Synthesize and analyze your research findings.

**Activities:**
- Synthesizing your Research Findings
- Affinity Mapping
- Creating Personas
- Problem Statement & Design Principles
- Journey Mapping

WEEK 16

**Ideation & Concepting**

Ideate and concept through multiple different design solutions for your client.

**Activities:**
- Task Flows
- Low Fidelity Concepts
- Information Architecture
- Site Map
**Week-By-Week Curriculum**

Curriculum is subject to change

---

**WEEK 17**

**Wireframing and Prototyping**

Learn how to implement mobile and web design patterns.

**Activities:**
- Featuring Prioritisation & Converged Design
- Mobile/Web Design Patterns
- Prototyping in Figma
- Testing your converged Prototype

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**WEEK 18**

**Testing & Communicating Insights**

Present your tested UX prototype to your client.

**Activities:**
- Usability testing
- Creating Effective Design Presentations
- UX Design Handoff & Annotations

---

**WEEK 19**

**Developing Visual Styles**

Further enhance your visual design skills.

**Activities:**
- UI Mobile/Web Visual Design
- UI Patterns for Mobile/Web
- Visual Competitive Analysis
- Moodboards & Style Tiles

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**WEEK 20**

**High Fidelity Designs**

Further develop your high fidelity design.

**Activities:**
- High Fidelity Screen development
- High Fidelity Prototypes
- Usability & Desirability Testing HF Designs
- High Fidelity User Testing - Research & Plan Script

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**WEEK 21**

**Final Presentations & Handoff**

Communicate your visual designs effectively to your client.

**Activities:**
- Visual Design: Presentations
- UI Presentation Deck
- Creating a Design System

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**WEEK 22**

**Career Kickoff & Developing Your Brand**

Develop your portfolio and your own personal brand.

**Activities:**
- Values Report review
- Personal Statement & Linkedin/Social Media
- Case Study 1&2 Drafts
- Portfolio research + platform review

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**WEEK 23**

**Case Studies & Portfolios**

Write your case studies and design your portfolio.

**Activities:**
- Visual design development
- Formatting assets
- Case Study Draft review 1&2
- Resume review
- Personal branding/logo

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**WEEK 24**

**Getting Job Ready**

Practice your interviewing skills and get job ready.

**Activities:**
- MVP - Minimum Viable Portfolio
- Interview Presentations
- Final Case Studies
- Job Readiness review
How to Enroll

1. **Explore**
   Schedule a Q&A call with Admissions to get quick answers about the bootcamp or join the next open house.

2. **Apply**
   Ready to join? Submit your application and pick your start date to join.

3. **Complete your Interview**
   Schedule an interview with admissions. The interview is non-technical - no technical experience is required.

4. **Deposit to Enroll**
   If accepted, submit your deposit to save your seat and gain access to bootcamp prep materials for your start date.

---

Financing Options

Schedule a call with an Admissions Advisor to discuss which payment or financing option is right for you.

- **Pay in Full**
  Save on tuition by paying in full upon enrollment

- **Installments**
  Spread payments over the course with standard and custom installment plans

- **3rd Party Financing**
  Finance bootcamp with a third party loan from a variety of lenders