CODING DOJO

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

Google amazon cisco hp UBER LinkedIn

*As of Feb 2018 alumni data

CODING DOJO

Software Development Full-Time Onsite

14 Week Immersive Bootcamp
3 Full Stack Curriculum

8000+
grads to date

Full-Time
class commitment

Career Services
Included

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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.

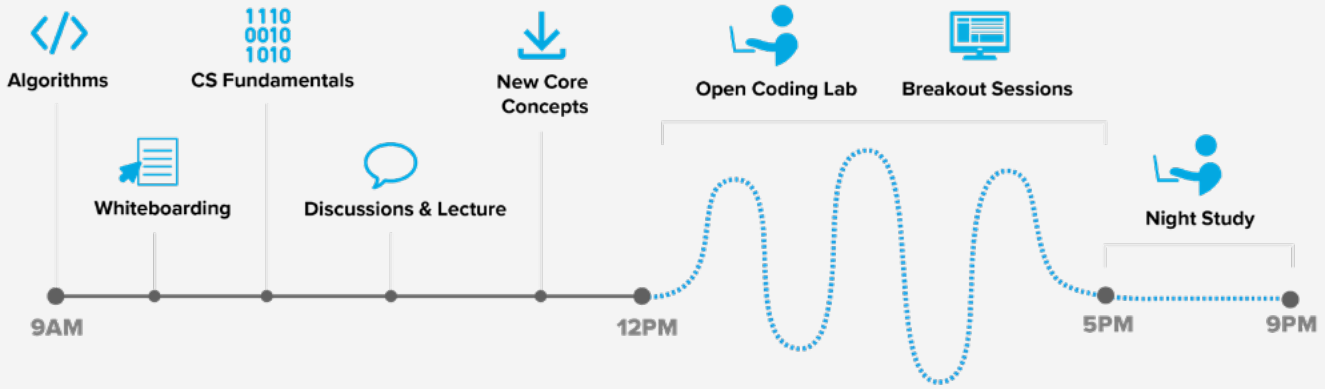
Learn by Doing

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.

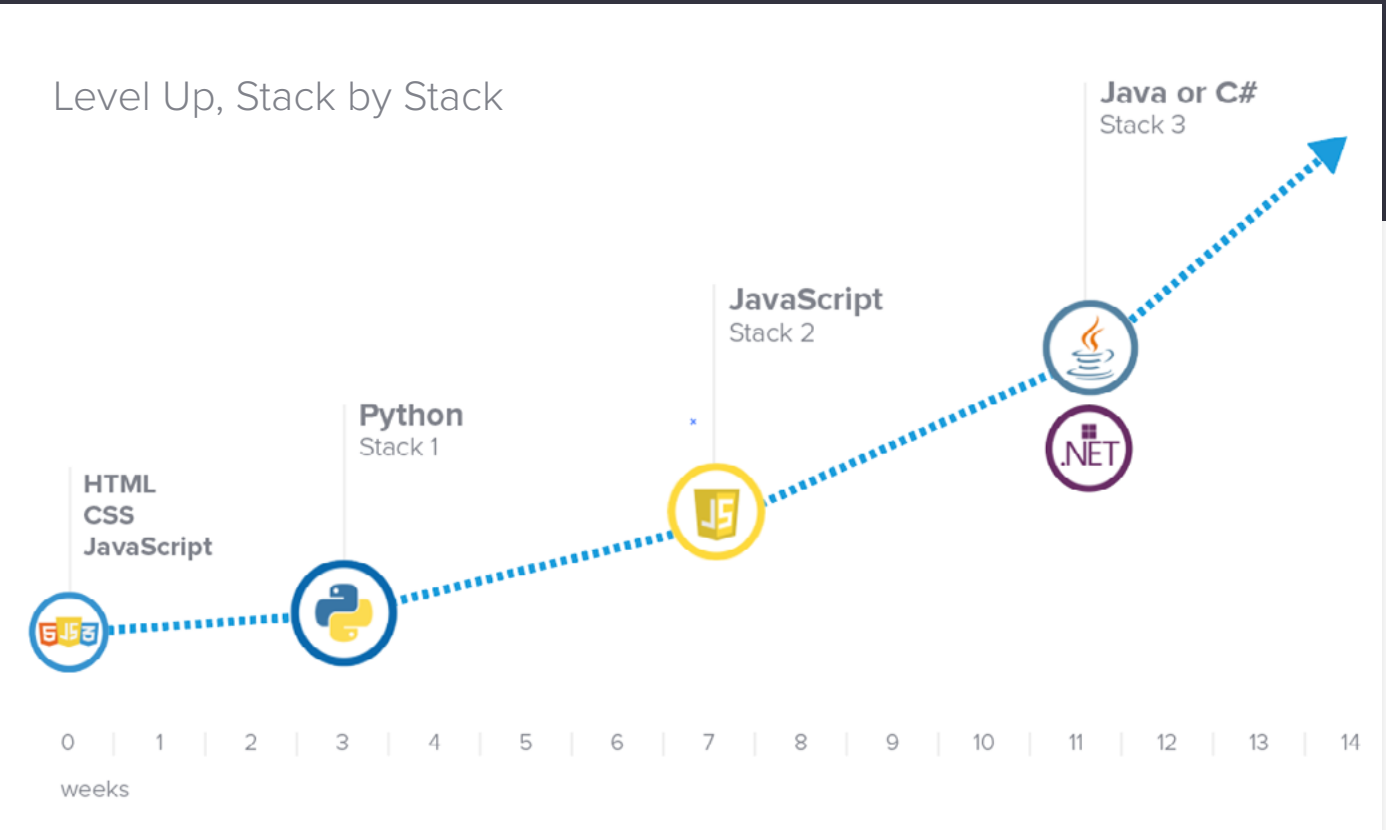
A Typical Day at the Dojo



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.



Web Fund.
Terminal
Git/GitHub
HTML5
CSS3
Javascript
jQuery

Python
Python 3
OOP
Flask
MySQL
Ajax

JavaScript
Javascript ES6
MongoDb
Express.js
React
Node.js
Socket.io

C#.NET
C#
ASP.NET Core 2
LINQ
Dapper
Entity Framework
Identity

Java
Java 8
MySQL
JSPs
Spring Data JPA
Spring Boot
Spring Security

Curriculum subject to change during attendance due to mid-course improvements

CODING DOJO

Software Development Full-Time Online

Full-Time Online
3 Full Stack Curriculum

8000+
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Full-Time
class commitment

Career Services
Included

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*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

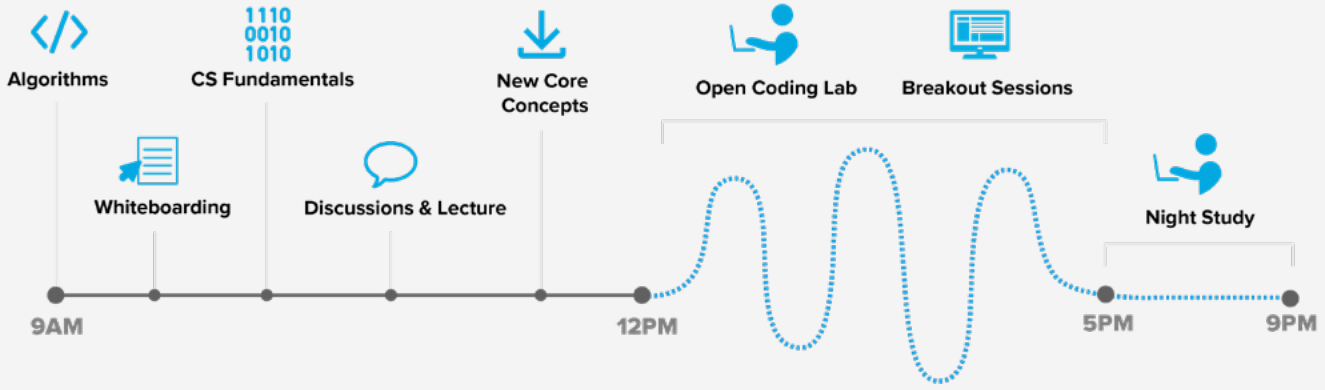
Dive into an immersive online learning environment filled with live mentorship, instruction, and collaboration with real instructors and classmates.

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. The most successful students dedicate at least 70-90 hours/week to the bootcamp.

A Typical Day in the Online Bootcamp



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3 Full Stacks Online

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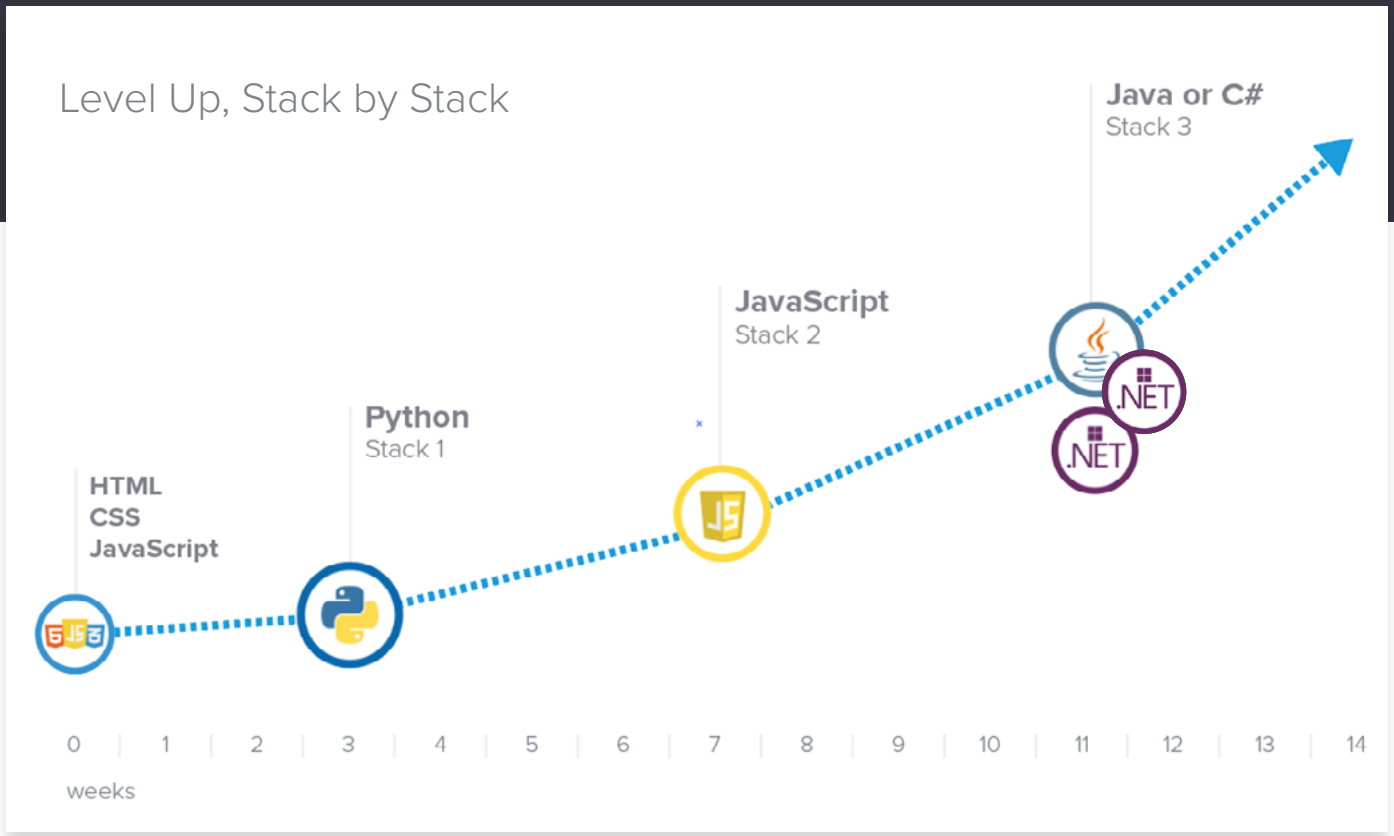


Web Fund.
Terminal
Git/GitHub
HTML5
CSS3
Javascript
jQuery

Python
Python 3
OOP
Flask
MySQL
Ajax

JavaScript
Javascript ES6
MongoDb
Express.js
React
Node.js
Socket.io

C#.NET
C#
ASP.NET Core 2
LINQ
Dapper
Entity Framework
Identity

Java
Java 8
MySQL
JSPs
Spring Data JPA
Spring Boot
Spring Security

Curriculum subject to change during attendance due to mid-course improvements

CODING DOJO

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 32 Wks
flexible schedule

Over 8,000 alumni, hired by tech companies worldwide

Google amazon UBER LinkedIn

*As of Feb 2020 alumni data

Online Part-Time

In 16 to 32 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 2022. Pick between Python, JavaScript, or Java as your stack, or choose to extend the program and learn multiple languages.

Awards & Recognition

MIT Innovation Challenge **Winner**

Microsoft Virtual Academy ★★★★½ COURSE RATING

Your Progression Plan

Four Weeks
Web Fundamentals

HTML
CSS
JavaScript

Eight Weeks
Pick Your Full Stack

PYTHON	JAVASCRIPT	JAVA
Python	JavaScript	Java
OOP	MongoDB	MySQL
Flask	Express	JSPs
MySQL	React	Spring Data
Ajax	Node	Spring Boot
	Socket.io	Spring Security

Eight Weeks / Stack
Optional: Add More Stacks

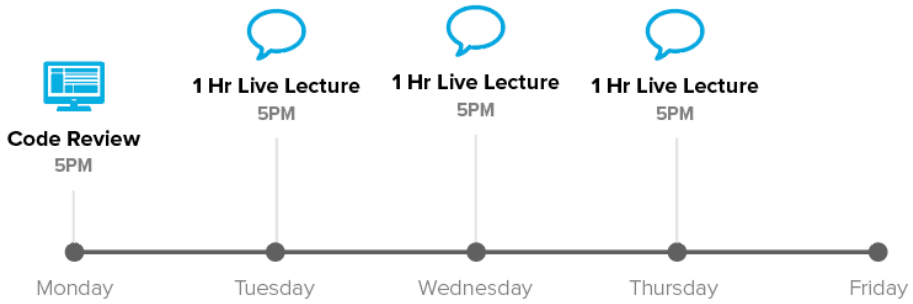
Add on a second stack, or go for all 3 to complete the entire full-time curriculum.

Each additional stack is 8 weeks long.

Four Weeks
Projects & Algos

Projects
Algorithms

A Typical Week in the Part-Time Program



Flex program has two lectures per week delivered either on Mon/Wed or Tues/Thurs

Self Study
20-30 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

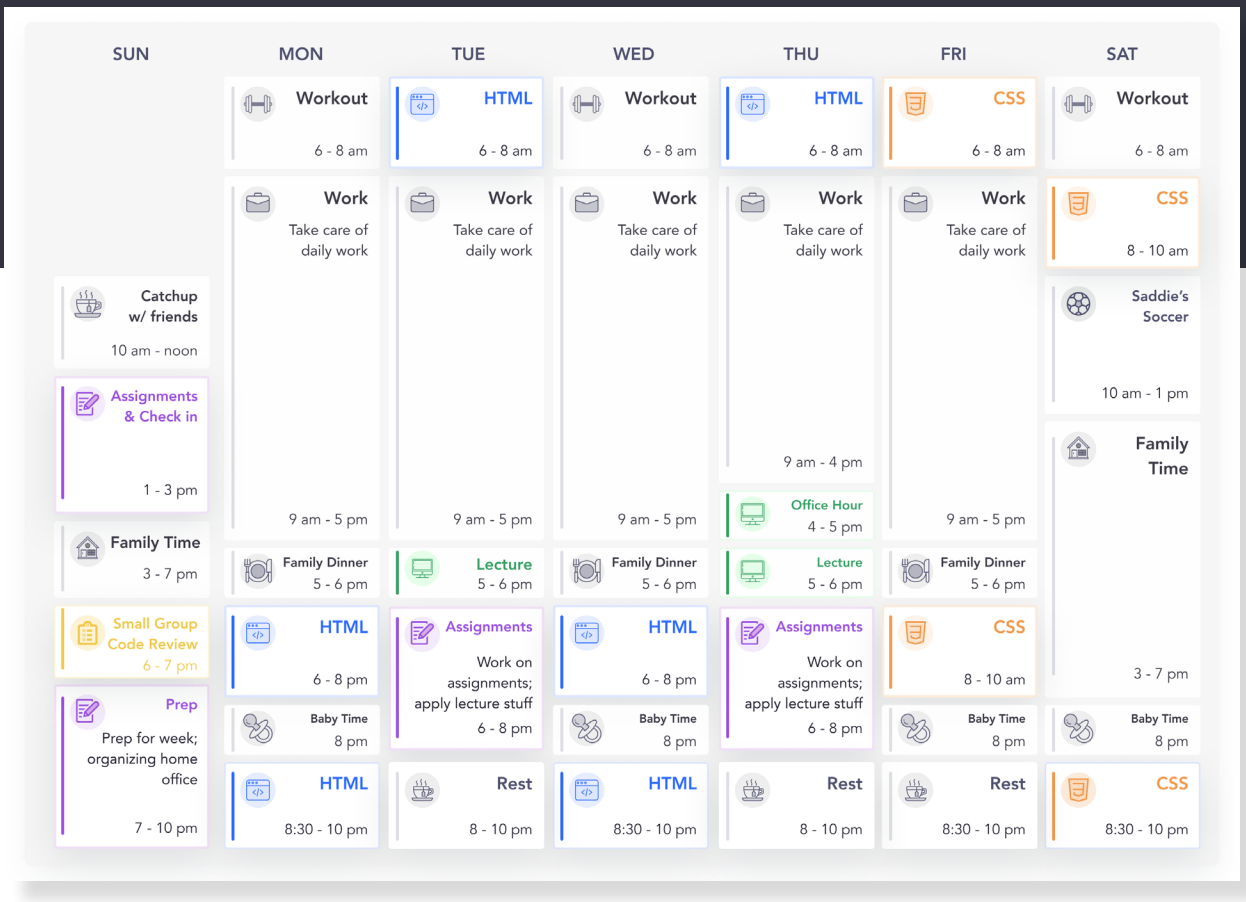
TA Support
Mon-Fri: 11:00am - 8:00pm
Sat: 8:00am - 8:00pm
Sun: 8:00am - 8:00pm

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 account-able 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
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.

Curriculum subject to change during attendance due to mid-course improvements

Web Fundamentals

Front-End Development & The Web

HTML

Intro to HTML

- Basic Nesting Practices, Indentation
- The Head & Body
- Body Tags (lists, tables, etc.)
- Building Forms & Declaring Input Values
- Containers, Elements, Attributes, & Classes

CSS

Intro to CSS

- CSS Selectors & Declarations
- Inspecting Element
- Inline, Block, Float, and Positioning
- Div Layout & Formatting
- Styling Text & How Fonts Work
- Using Properties & Backgrounds
- Replicating Complete User Interfaces

Intro to CSS3 & More Styling*

- Building Shapes
- Constructing Complex Tables
- Intro to Bootstrap
- CSS Preprocessors, LESS, & SASS

Git / Github

Git & Version Control

- Using Terminal Commands
- How to Create & Utilize a Repository
- Making, Tracking, & Reverting Changes
- Git Workflow Overview & States*
- Advanced Git Commands & Concepts*
- Branching, Merging, & Conflicts*

Github

- How to Use a Github Repository
- Forking, Cloning, & Pulling*
- Github Collaboration & Workflow*

jQuery

Intro to jQuery

- jQuery Functions & Debugging
- Parameters & Getters/Setters
- Essentials of the jQuery Library

Advanced jQuery

- Implementing Dynamic Content
- Callbacks in jQuery
- Traversing DOM Elements
- Forms in jQuery
- jQuery UI Library & More Libraries*

Responsive Web Design*

Intro to Responsive Web Design (RWD)

- Breakpoints, Units, & Media Queries
- Basics to Typesetting & Scaling
- Cross-device RWD
- Grid System, Fluid Grids, & Adaptive Layouts

CSS Frameworks

- Responsive Typography
- Using CSS Reset & Boilerpoint

Wireframing*

- Balsamic Overview
- Wireframing Fundamentals

*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

**Optional topics*

Java

Full Stack Development

Java Fundamentals

Intro to Java

- Java Development Kit Installation
- Executing Java Programs
- Variables, Data Types, & Type Casting
- Control Structures & Exceptions

Java OOP

Intro to Object Oriented Programming

- Creating Objects & Classes
- Methods, Member Variables & Constructors
- Overloading & *this*
- Inheritance & Packages

Advanced Java OOP

- Use of Static
- Interfaces & Abstract Classes
- Annotations
- Java Beans

Data Structures*

- Doubly Linked Lists
- Tries

Java Web Development

Java on the Web

- Servlets & Web Containers
- Query Parameters
- Java Servlet Pages
- Light MVC Patterns
- Session & POST Patterns

Java Spring

Spring Fundamentals

- Spring Overview
- Spring Tool Suite
- Intro to Spring Boot
- Spring MVC Apps

Spring Data I & II

- MySQL Connections
- Repositories & Spring Data - JPA
- Persistent Model Annotations
- Relationships
- Advanced Queries

Spring Security

- Spring Security Overview
- Authentication & Authorization
- Servlet API Integration
- Spring MVC Integration

Deployment

- Amazon Web Services (EC2)
- Linux
- PostreSQL

**Optional topics*

JavaScript

Full Stack Development

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

Node.JS

Intro to Node

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

Modularization

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

Express.JS

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

Deployment

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

**Optional topics*

C# .NET

Full Stack Development

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

CODING DOJO

Data Science & Machine Learning in Python

Learn Data Science Online in 16-20 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

Google amazon cisco UBER LinkedIn

*As of Feb 2018 alumni data

Overview

Take a deep dive into the fundamentals of data science and machine learning in Python over 16 or 20 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.

Data Science Curriculum

Python & Machine Learning

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.

Data Science Curriculum

Python & Machine Learning

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.

Data Science Curriculum

Python & Machine Learning

WEEK 17

Model Interpretations

Learn to extract, visualize, and interpret model importances.

WEEK 18

Time Series Analysis

Identify, pre-process, and plot time series data with Python. Explore statistics, aggregation, and seasonal trends.

WEEK 19

Intro to Tableau

Transform, explore, and analyze data while creating high-quality visualizations within Tableau.

WEEK 20

Dashboards in Tableau

Create an interactive data dashboard in Tableau for data storytelling.

Technologies Covered

Technologies subject to change based on student needs and hiring factors

- Google Colaboratory
- Python
- NumPy
- Seaborn
- Scikit Learn
- SciPy
- Tableau
- Pandas
- Folium
- Matplotlib
- LightGBM
- XGBoost
- TensorFlow

CODING DOJO

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

Google amazon cisco UBER LinkedIn

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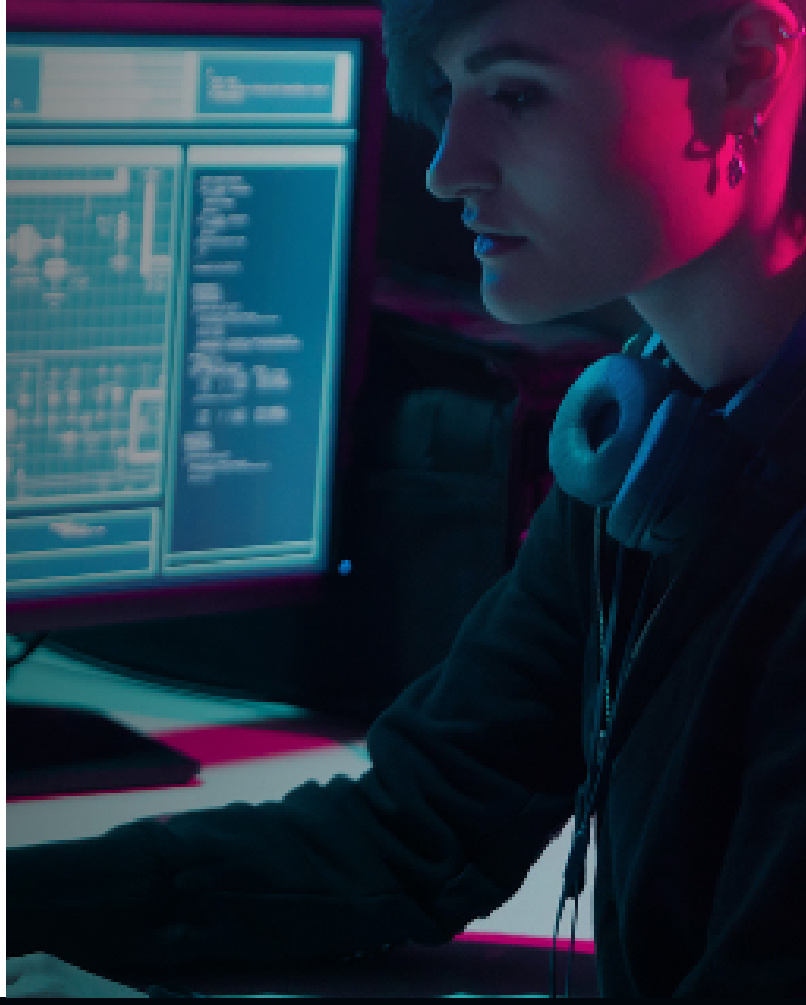
Overview

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.

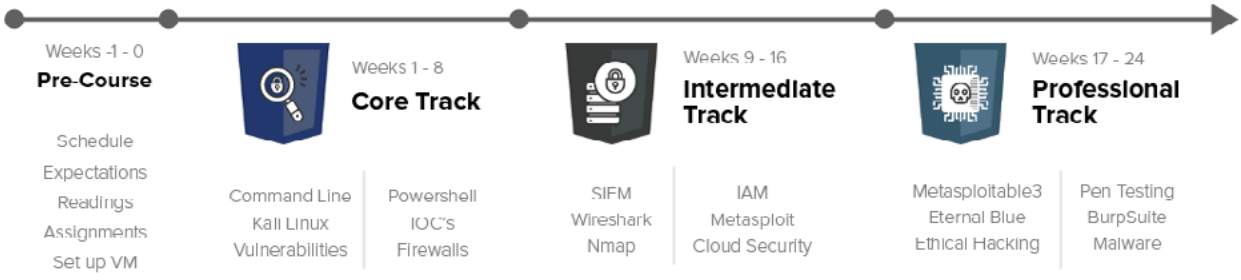
After completing Coding Dojo's Cybersecurity program, students are mission-ready to identify, assess, report, and mitigate technology and information security risks.

Vouchers Included!

CompTIA Security+

CompTIA CySA+

Your Progression Plan



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+

Week-By-Week Curriculum

Curriculum is subject to change

WEEK 17

Ethical Hacking

Discuss the ethics of hacking while learning penetration testing, Metasploitable2 and Eternal Blue

Labs:

- Metasploitable3 & Good Gone Bad
- Eternal Blue

WEEK 18

Footprinting

Understanding the underlying capabilities of search engines, WHOIS, DNS, nmap, dirbuster and gobuster, nikto, social engineering, specialized scanners, SNB enumeration

Labs:

- Footprinting Assignment
- Specialized Scanners
- SMB Enumerationt

WEEK 19

Proactive Threat Hunting

Become proactive in your approach to cybersecurity by seeking threats.

Labs:

- Vulnerability Scanning 1 of 2
- Vulnerability Scanning 2
- BurpSuite Setup

WEEK 20

Mobile Pen Testing

Learning Local File Inclusion and Remote File Inclusion, SQL injection techniques and defences, hacking and testing mobile devices.

Labs:

- LFI/RFI
- SQL Injection

WEEK 21

Buffer Overflow

Learn to counter and create a buffer overflow attack on Windows / Linux

Labs:

- Windows BOF
- Analyzing Output from Web Application Assessment Tools

WEEK 22

Advanced Malware

Add to your malware knowledge with advanced techniques and tools.

Lab: Malware Analysis

WEEK 23

File Transfers

Learn to elevate privilege to fully exploit the platform, monitor the network, or access other systems during an attack.

Labs:

- Linux Privesc
- Windows Privesc

WEEK 24

Exploits & Password Attacks

Learn various sources for exploits and how to use them, the use of Shells, password attacks. With great power comes great responsibility!

Labs:

- How Many Shells?
- Password Attacks

CODING DOJO

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 IBM Microsoft 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.

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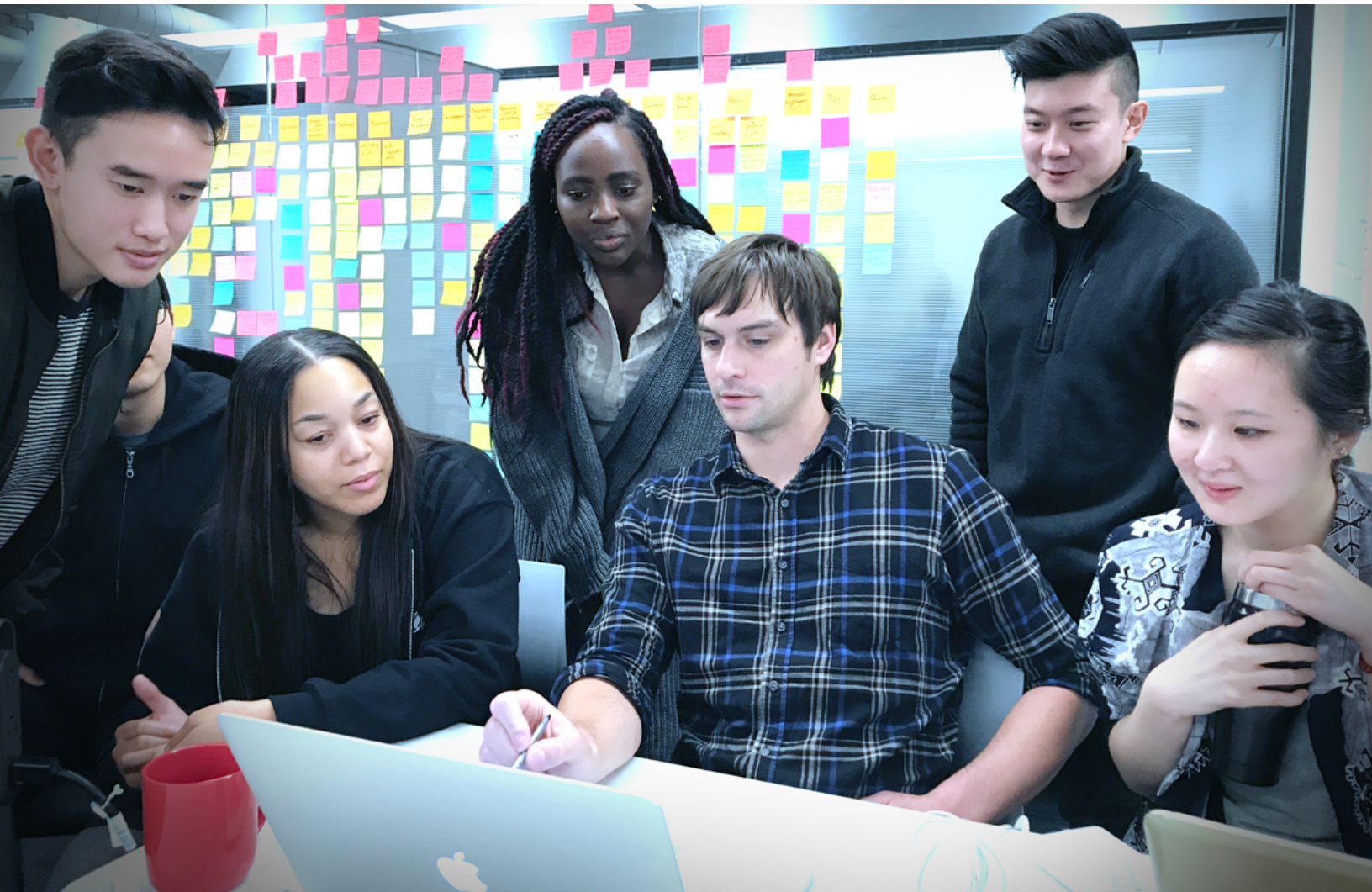
A Professional-Grade Curriculum

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.



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Progress through the Part-Time UI/UX Program

The program has been designed by industry professionals with feedback from real UI/UXdesigners 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

UI Design

- Design patterns
- Interaction framework
- Figma Prototyping
- Microinteractions
- Heuristic evaluation
- Responsive design
- Web/Mobile patterns
- Design Systems
- UX File handoff

Phase 1 Project

Client UX Design

- Stakeholders & SMEs Interviews
- Client Project Management
- Trello
- Research and Strategy
- Business Model Canvas
- Presenting to Clients
- Personas & Problem Statements

Client UI Design

- 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 Project

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

Design Portfolios

- Interviewing Techniques
- Salary Negotiation
- UX/UI Roles
- Guest Speakers
- Post Grad planning

Career Phase

Week-By-Week Curriculum

Curriculum is subject to change

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

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

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

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)

CODING DOJO

Week-By-Week Curriculum

Curriculum is subject to change

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

CODING DOJO

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

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

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

WEEK 21

Final Presentations & Handoff

Communicate your visual designs effectively to your client.

Activities:

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

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

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

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.

Apply Now

Financing Options

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

TALK TO US

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