



SYLLABUS

Intermediate Full-Time Coding Bootcamp: Software Engineering Immersive



A challenging, fast-paced, and life-changing learning experience.

In just 12 weeks, you'll become a full-stack software engineer, building upon your knowledge and skills so you're prepared for technical interviews, solving complex problems, and using AI-powered tools to enhance your productivity.

Among many topics, tools, and languages, you'll learn **JavaScript**, the most in-demand programming language by companies and professional developers. You'll work hard, and along the way, you'll be supported by our team of experienced professionals.

What do we mean by intermediate?

- You can write a function or functions that include the use of conditionals, iteration, variables, and data structures.
- You can apply an understanding of programming language syntax and concepts to solve and debug simple discrete problems.

How You'll Learn

Students at an intermediate level need time to work through software engineering problems and build a project portfolio. In our intermediate coding bootcamp, you will:

- Learn through live online lectures, hacking, pair programming, and collaborative project work
- Benefit from instructors who have both teaching and industry experience
- Build an impressive project portfolio

When You'll Learn: Weekly Schedule

This bootcamp is our quickest and is immersive by design. Class runs from 9am – 8pm Monday through Friday and 9am – 5:30pm Saturdays for the course duration.



What You'll Learn

PRECOURSE

Prior to your start date, plan to spend about 90-120 hours on our precourse curriculum. When you're done, you'll have a stronger foundation in JavaScript, HTML, CSS, and more, and you'll be ready for the first day of the bootcamp.

WEEKS 1-5

You'll contribute to projects during two-day sprints, just like professional software engineers. Your time will be spent on two-day sprints, pair programming with classmates, and working through real industry problems. You will:

- Turn software requirements into a running application with JavaScript, React, and Node.js
- Write HTML and CSS to build working and interactive web applications
- Use a relational and non-relational database to store and retrieve data for an application
- Build and use RESTful APIs; leverage existing APIs to bring real data to life in dynamic websites

Projects:

You'll contribute to 12 projects during two-day sprints, just like professional software engineers. You'll work with other software engineers in pairs as you improve your technical communication and ability to research and solve unfamiliar problems. You'll design a database, write server code, create a React application with hooks, and design a REST API.



What You'll Learn

WEEKS 6-12

You'll continue by exploring how to build even more complex web applications using modern software architectural methods and learning industry practice. You will:

- Work on three Agile teams to complete features based on business requirements and design documents
- Build, deploy, and test scalable applications and architecture with back-end performance tuning
- Learn how to effectively use the AI-powered tool GitHub Copilot
- Apply the latest design and technical principles to create microservices
- Create standalone web application front-ends using JavaScript and React

Project:

Your senior project models how you'll work in a real-world software development team. You and your team will use Agile software development practices to individually build microservices that seamlessly work together to create a robust and scalable web application. You'll also push the limits of scaling by making performance optimizations.

CAREER SERVICES: LAUNCH YOUR NEW CAREER

Throughout the program, our Career Services team leads lessons and workshops related to preparing your resume, building your portfolio, and more. During the final week of the program, you'll go through intense job search preparedness, including:

- 1:1 coaching sessions with your Career Services Manager (CSM)
- Mock interviews
- Portfolio and resume building
- Professional development workshops
- Networking exercises

Upon graduation, you'll have access to our 14,000+ alumni network and **alumni benefits**. You'll continue working with your CSM for 180 days or until you land your first software engineering job. Your CSM will help you through the job search process, including guidance and support through challenges, and helping you negotiate salary upon receiving an offer.

Intermediate Full-Time Coding Bootcamp: Software Engineering Immersive

How You're Evaluated During the Program

Careers in software engineering are both rewarding and rigorous. This program is designed to replicate the challenging environment you'll see in the real-world so you're prepared for your new career. To do so, we evaluate students based on the following criteria (as applicable to a given lesson and/or module):

- Daily problems
- Individual, paired, and group assignments
- Regular assessments
- Individual and group projects
- Staff & peer reviews
- Professional resume

Your Real-Time Support Team

During the program, we surround you with a robust support team to help you through challenges and celebrate wins.

- Experienced Instructors
- Residents (Teaching Assistants)
- Cohort Leads
- Career Service Managers



Ready to
get started?



[ATTEND AN
INFO SESSION](#)



[SPEAK TO
AN ADVISOR](#)



[APPLY NOW!](#)