



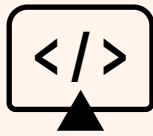
Coding Fundamentals

S\$199

- ✓ Build simple apps
- ✓ Learn coding fundamentals
- ✓ Understand software engineering
- ✓ Early bird discount available

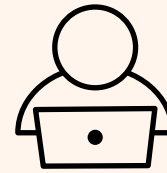
An online, part-time intro to coding course for beginners, taught in JavaScript.

Start Coding Today



Are you thinking about a career switch?

Join Coding Fundamentals to see if you enjoy coding before joining a bootcamp.



Do you work with software engineers?

Boost your career by learning how software engineers think and work.



Find out more from our alumnis

Learn Online With Guidance

Facilitated pre-class learning with expert help over Slack

Never let yourself get stuck! Get on-demand help from your instructors over Slack.

Real-time online classes, twice a week

Clarify concepts with instructors and apply what you've learnt via pair programming with peers.

Time-efficient remote learning

Pre-class lectures, readings, and coding exercises done at your own time.



Course Curriculum

Coding Fundamentals applies a flipped classroom model that consists of self-learning before class and pair programming exercises.

Classes (GMT+8): Mon & Thu, 7:30pm - 9:30pm

Duration: 6 weeks

Week 1

Topics

What is coding? · Web browsers · Command line · Operations · Variables

Week 2

Topics

Functions · Errors · Conditionals · Pseudo code · Booleans

Projects

Project 1: Scissors paper stone

Week 3

Topics

Global variables · Git · GitHub

Week 4

Topics

Arrays · Loops

Projects

Project 2: Beat that!

Week 5

Topics

JavaScript objects (hash tables) · GitHub deployment

Week 6

Topics

HTML · CSS · DOM

Projects

Project 3: Blackjack



S\$7,999

Coding Bootcamp

- ✓ *Flagship career conversion course*
- ✓ *Highly relevant to today's industry*
- ✓ *Dedicated interview & career prep*

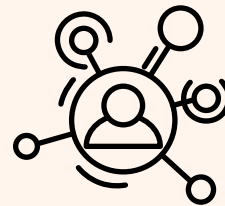
Learn in-demand skills and launch a new career path as a Software Engineer

Become a Software Engineer



Build a unique project portfolio

- Frontend & backend frameworks
- Data structures & algorithms



Network with tech leaders regularly

- Capable & ambitious peers
- Live AMAs with software engineers
- Access to Rocket's high-value alumni network



Unlimited interview prep

- Resume & portfolio review
- Dedicated interview prep and career support
- On-demand technical & career guidance



Find out more from our alumnis

Guided Learning Model

Facilitated pre-class learning with expert help over Slack

Never let yourself get stuck! Get on-demand help from your instructors over Slack.

Leverage high-calibre community

Clarify concepts with instructors, pair-program with peers.

Time-efficient remote learning

Pre-class lectures, readings, and coding exercises done at your own time.



Course Curriculum

*Coding Bootcamp applies a flipped classroom model that consists of self-learning and live classes.
Both full-time & part-time bootcamp courses cover the same material at different paces.*

Full Time

Classes (GMT+8):

Mondays to Thursdays, 10:00am - 12:00pm

Revision (GMT+8): *Fridays, 10:00am - 12:00pm*

Duration: 4 months

Part Time

Classes (GMT+8):

Tuesdays, 7:30pm - 9:30pm

Saturdays, 10:00am - 12:00pm

Duration: 8 months

Technologies

Command line Git · GitHub · HTML · CSS · Node.js

Algorithm

Intro to algorithms · Arrays

Technologies

JavaScript · JSX · Node modules · NPM · React components & props
· React state & lifecycle · React event handling, conditional rendering,
lists & keys

Algorithm

Arrays · Complexity analysis · Binary search algorithm · Sliding
window algorithm

Technologies

React forms · React component architecture

Algorithm

Sliding window algorithm · Hash tables

App Development

Project 1: Frontend app



Technologies

Internet 101 · HTTP requests & responses · AJAX · JavaScript promises · Firebase realtime database · Firebase storage · Firebase authentication

Algorithm

Stacks



Technologies

React hooks · React router · React higher-order components · React context · Firebase hosting

Algorithm

Queues · Object-oriented programming · Linked lists

App Development

Project 2: Full-Stack App

Algorithm

Recursion



App Development

Project 2: Full-Stack App

Technologies

Express.js · Async/await · SQL · Sequelize ORM · SQL & sequelize 1-to-many relationships

Algorithm

Trees



Technologies

SQL & sequelize 1-to-many relationships · SQL schema design · Backend authentication · SQL indexes & transactions · Sequelize aliases, eager loading, validations

Algorithm

Trees · Graphs





App Development

Project 3: Backend App

Algorithm

Graphs



App Development

Project 3: Backend App

Technologies

Automated testing · Continuous integration · TypeScript · Security

Algorithm

Dynamic programming

App Development

Project 4: Capstone

Algorithm

Bit manipulation



App Development

Project 4: Capstone

Algorithm

Heaps

App Development

Project 4: Capstone

