



Look at all you have learned!

The Browser HTML CSS JavaScript jQuery Bootstrap	Dev Tools Heroku Git GitHub	Server Side Templating Engines Sessions Writing tests Node.js Express.js Creating APIs MVC
API Interaction APIs JSON AJAX	Databases	ORM (Sequelize)
Cutting Edge Development • React.js		CS Fundamentals • Algorithms • Data Structures

Your Goals Re-examined

And why do you want a new career?



To pursue a dream



To escape a dead-end job



To be able to create



To follow a fascination



To attain financial stability



To obtain financial freedom

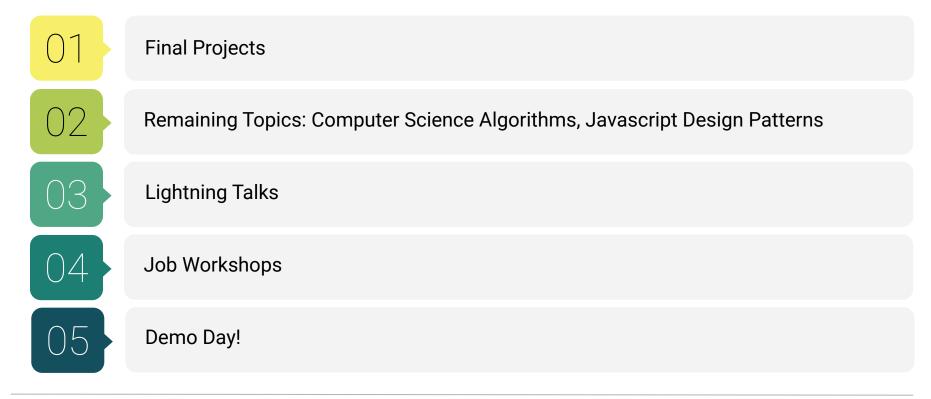


To challenge yourself



To be a **role model** to kids

What's Left



Never Stop Learning!

01

The key to hireability and relevance is to constantly be learning.

02

The field is always changing and there is never a point where you can call it quits.

03

Stick with it! It's a craft that you continue to hone with time.





Your Challenge

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You have plenty of time to work on this.

You have ALL the skills you need.

You have a team of skilled developers.



You have experts willing to help.



No excuses. Time to prove yourself.



Expectations

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- We expect whatever you build to have utility.
- 2. We expect you to have market or real-world research that evidences your idea has REAL value to people.
- 3. We expect you to have done research on other web/mobile applications in your domain.
- 4. We expect you to put serious time and thought into this.
- 5. We expect you to report problems you are facing along the way.
- 6. We expect you to utilize some form of project management system.
- 7. We expect you to dig deep into documentation and external resources to learn what you need.

Requirements

Coding Requirements

- Must use ReactJS in some way
- Must use a Node and Express Web Server
- Must be backed by a MySQL or MongoDB Database with a Sequelize or Mongoose ORM
- Must have CRUD routes for at least one model
- Must be deployed using Heroku (with Data)
- Must utilize at least two libraries, packages, or technologies that we haven't discussed
- Must allow for or involve the authentication of users in some way
- Must have a polished frontend/UI, not Bootstrap
- Must have folder structure that meets MVC Paradigm
- Must meet good quality coding standards (indentation, scoping, naming)
- Must not expose sensitive API key information on the server



Deliverables

Instead of homework, you will be required to submit four Project Deliverables.

01 > 1

Plan, Design, and Research

02

Ready MVP (Working App!), Mini-Presentation

(03)

Project Polish, Functionality Push, Final Plan



Presentation Time!

Deliverables 1:Plan, Design, and Research

Deliverables 1: Plan, Design, and Research

Submit a Google Doc for approval with the following:



An overview of the intended application and WHY you feel it's valuable.

02

60 Second Elevator Pitch

03

A set of DETAILED screen-by-screen design layouts with annotations describing all UI/UX components and all data relevant to the screen.

 $\left[04\right]$

Tasks in a Project Management System (Trello, Github Issues, etc)

(05)

Database design for all models.

