

Alvin Tang

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PROFICIENT: JavaScript, React, Redux, HTML5, CSS3, Agile Software Development (Waffle.io, Trello, Asana), Node.js, Asynchronous Programming, Git, Express, REST, PostgreSQL, Sequelize, TDD, CI/CD (Travis/Heroku)

KNOWLEDGEABLE: TypeScript, GraphQL, Passport (OAuth), Webpack, Babel, SQL, AR.js, Three.js, A-Frame, Stripe

EXPERIENCE

FULLSTACK ACADEMY OF CODE | **Software Engineering Teaching Fellow**

Apr 2019 - Jul 2019

- Mentored 50+ students in the full stack **JavaScript NERD** stack including front-end **React** and **Redux** and back-end **Node, Express, Sequelize and PostgreSQL**
- Served as project manager for multiple projects including 2 e-commerce applications and 1 blockchain application
- Led daily stand-ups and in-depth weekly code reviews and consulted on application design and implementation
- Conducted algorithmic technical interviews for prospective candidates

NYU RUSK REHAB. MOTOR RECOVERY RESEARCH LAB | **Clinical Research Scientist**

May 2013 - Jul 2018

- Conducted statistical data analysis of large data sets using MatLab and Spike
- Implemented design thinking to consult and develop several iterations of therapy video games and input devices
- Authored 6+ academic publications (research papers, abstracts and a book chapter) based on data-driven outcomes

LA VIE EN TOAST | **Founder, Chef, Content Creator**

Mar 2016 - Nov 2018

- Researched, developed and tested original recipes | www.lavieentoast.com
- Filmed, edited and produced cooking videos with a current combined total of 3000+ views

SELECTED PROJECTS

CHAINDORA | **Full Stack Engineer, Scrum Master** | chaindora.com

A music streaming service that benefits creators by storing and sharing original media on a distributed file system and ensuring proof-of-authorship and fair royalty payment written into a smart contract on the Ethereum blockchain.

- Featured on “**5 Groundbreaking Coding Bootcamp Projects from March Grads**”
- Spearheaded front-end development using design thinking for planning and wireframing and **CSS3, Material UI** and **Ant UI** for styling and animations
- Major contributions included implementing **React** for seamless rendering, **JSX** for audio visualization, and **Redux** for state management, **Express** routing with **RESTful** api, and smart contract writing with **Solidity**
- Implemented **Agile Software Development** with **Trello** (daily stand ups and weekly code reviews)
- Wrote, tested and deployed smart contract with **Solidity, Ropsten Test Network, Truffle, Ganache** and **Metamask**

RAFT.AR | **Lead Engineer** | youtu.be/-6AbkTA4Rxs | github.com/raft-fsa/RAFT.ar

An augmented reality application on the web that renders a user's credentials floating in real 3D space

- Winner of Sigurdsson Design Award in Fullstack Academy's March 2019 Hackathon
- Modeled and rendered 3D objects and text written in **Three.js** framework
- Deployed onto the **8th Wall Web AR** platform for model rendering in AR space

INDEX OWL | **Solo Project** | index-owl.herokuapp.com

An interactive flash card single page web application that helps users study technical concepts and vocabulary

- Front-end: **React, Redux, CSS3**
- Back-end: **Node.js, Express, PostgreSQL, Sequelize**

LITTLE PIZZA SHOP | **Front-End Engineer** | little-pizza-shop.herokuapp.com

A fully deployed e-commerce site, where a user can purchase pizzas and pay through stripe

- Led development of UI with: **React, Redux, Babel** and **Webpack**
- Major contributions included front-end development and implementation of **Stripe** payment system.
- Implemented **RESTful** api in **Express** routes, **Sequelize** for database queries on a **PostgreSQL** relational database
- Set up Google **OAuth** capability

EDUCATION

FULLSTACK ACADEMY OF CODE | **Software Engineering Immersive Program**

Apr 2019

UNIVERSITY OF FLORIDA | **Bachelor's of Science – Applied Physiology and Kinesiology**

May 2013