

# McRae Petrey

## Software Engineer

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### ENGINEERING PROJECTS

#### **Codelingo** — Full Stack Engineer - <https://goo.gl/Gqg5Dh>

*Duolingo clone for learning JS, built with React, Redux and Firebase.*

- Developed a mobile-first web app teaching coding basics
- Created utility functions to calculate and store player streaks
- Controlled access to game levels based on player history
- Leveraged Firebase WebSockets for real-time updates to leaderboard

#### **Vibe Tribe** — Sole Developer - <https://goo.gl/kWFohT>

*Pinterest clone with realtime updates built over four days.*

- React - Apollo - GraphQL - GraphQL-Yoga - Prisma
- Developed a GraphQL server with a single API endpoint
- Extended schema and resolvers to supply data based on client query
- Integrated GraphQL subscriptions for real-time updates to client

#### **Tiger Wines** — Full Stack Engineer - [tigerwines.herokuapp.com/](http://tigerwines.herokuapp.com/)

*E-commerce SPA built in a week by a team of four.*

- React - Redux - Axios - Express - Sequelize - PostgreSQL - Material UI
- Ensured cart persistence for both guests and authenticated users
- Implemented RESTful API, tested with Mocha and Chai
- Collaborated with team through Github, followed agile methodologies

### EXPERIENCE

#### **Software Engineering Teaching Fellow** Grace Hopper Program at Fullstack Academy

February 2019 - present

- Assist students with technical concepts, debugging, and best practices of JavaScript, React, Redux, Express, and Node.js
- Lead technical interviews of prospective students in JS, Python & Ruby
- Present weekly reviews of algorithms, data structures & optimization
- Manage student projects from ideation to deployment as technical project manager and code reviewer in agile workflow

#### **Project Manager - Tech, Marketing & Logistics** Crush Wine & Spirits, New York, NY

April 2007 - October 2018

- Collaborated on NetSuite implementation, trained staff of 20+ (try to flesh out this project and the impact)
- Initiated and directed Magento E-Commerce implementation
- Oversaw corporate holiday gift program, led support staff of 8+
- Managed and streamlined foreign wine procurement and logistics

### PORTFOLIO

mcraepetrey.com  
github.com/max-deathray

### TECHNOLOGIES

**Proficient:** JavaScript, Node.js, React, Redux, Axios, Express, HTML, CSS, PostgreSQL, Sequelize, Git, Github

**Knowledgeable:** Firebase, GraphQL, Gatsby.js, Mocha, Chai, Jest, Enzyme, Webpack, Babel, Material UI

**Some Experience:** Socket.io, SQL, Jasmine, Python, Django

### EDUCATION

#### **Grace Hopper Program at Fullstack Academy**

2018 - 2019

Intensive, highly competitive, 17-week 1000+hour full-stack software development program

#### **University of Virginia** BA - Classics