

San Francisco, CA
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Bryan Manuele

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Technologies and Architectures

Strong: Javascript, ES6+, React, Redux, Jest, Routing, React-Router CSS, Less, Node, Express, MySQL, Mongo, Redux, AWS EC2, Lambda, S3, Cloudfront, IAM, Docker, git, agile, circleCI

Experienced: Android, Postgres, SASS, Mocha, Chai, Enzyme, Webpack, Angular, Vue

Experience

Machine Learning Embedded Systems Developer

Aerendir 2017-2018

- Developed a C implementation of Support Vector Machines Classifier for embedded systems
- Played a role in architecting the data pipeline for our machine learning algorithms
- Developed and documented proprietary Digital Signal Processing (DSP) algorithms

On Stage Presenter: Physics Show

Foothill College 2015-2017

- Presented fun and engaging physics and engineering demonstrations to students across the bay
- Regularly presented in front of audiences upwards of 2000 students of all ages
- Played a leadership role in the development of the demonstrations and the script

Android Developer

Freelance 2014-2016

- Developed and deployed three open source apps with over 5000 cumulative downloads
- Practiced agile and minimum viable product principles that allowed for responsive and scaling apps

Notable Projects

Chompy Restaurants *A Yelp inspired restaurants review aggregator web app*

- Developed the restaurant search microservice, as well as the image carousel microservice
- Modular microservice architecture. Deployed each component using docker to an ec2 instance
- Scaled my microservices to hit 1000 requests per second with a database seeded with over 10 million restaurants on both MySQL and MongoDB

Symbolic-Calculus *An npm package for symbolic calculus*

- Functioning string to equation-tree interpolation and differentiation
- Complete and robust unit testing suite and deployment to npm

FoodSpots *A web app where users can map out and share their favorite food spots*

- Continuous deployment using circleCI to s3, cloudfront, and serverless lambda
- Uses the Google maps and places APIs in React with a Redux store

Honorable Mention Projects:

LearnMachineLearningJS *A complementary repo I built for a presentation on ML in js*

Fermidirak.github.io *My personal website made in vanilla html, css, js*

CoinPredict *A python gdax scraper that uses tensorflow to predict trends in ethereum prices*

Education

Hack Reactor *[San Francisco] Advanced Software Engineering Immersive Program* 2018

Foothill College *[Los Altos, Ca] AA in Mathematics* 2017

Foothill College *[Los Altos, Ca] AA in Physics* 2017

Personal

I like to understand things clearly and explain them well. I enjoy learning and actively teaching topics that I have familiarity in through talks and presentations. From giving presentations on the wonders of physics, to presenting machine learning for the full stack developer, to presenting how to remix on a set of turntables, I enjoy being an active participant in any community I involve myself in.