

Aylan Mello

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aylan.io/code



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PROJECTS

demixify - (Rails, ReactJS, Redux, PostgreSQL) [Live](#) | [GitHub](#)

- Architected single page ReactJS app for music discovery
- Developed custom streaming audio player with React.js
- Implemented playlist creation pipeline, querying SoundCloud API and persisting retrieved data into internal PostgreSQL DB
- Created personal dashboard for custom playlist feeds

mashupBot - (ReactJS, Redux, Web Audio) [Live](#) | [GitHub](#)

- Created touch-based music app for making musical mashups
- Achieved 1/10⁹ second timing precision for scheduling sound events with Web Audio API

words - (ExpressJS, React Native, MongoDB) [GitHub](#)

- Created iOS app for reviewing vocabulary in foreign languages
- Built CRUD API to update sets of vocab words
- Emulated native iOS features using components

firefeed - (AngularJS, Flask) [Live](#) | [GitHub](#)

- Optimized music feed by writing server side cron jobs to update newest released songs
- Implemented pagination for infinite music feed using custom Flask API and AJAX

EXPERIENCE

Software Engineer Intern - *Nice Systems* - 2015

- Wrote unit tests in JUnit for front-end of flagship product, dealing with usability and regression testing

Programming Tutor- *UC Davis* - 2016

- Provided hands on tutoring to 15+ students a day for introductory programming course

EDUCATION

B.S. Computer Science - University of California, Davis - 2016

- Machine Learning, Cryptography, Operating Systems

App Academy - *Web Development Boot Camp* - 2016

- Rails, ReactJS, PostgreSQL, Redux

TECHNICAL SKILLS

Languages:

Ruby
JavaScript
Python
Java
C++

Frameworks:

Rails, ReactJS, Flask,
AngularJS, ExpressJS,
Redux

Technologies:

AJAX, OSX, Webpack,
Selenium, Linux, JUnit,
Heroku, CSS, HTML,
NodeJS, PostgreSQL,
MongoDB

PERSONAL ACCOMPLISHMENTS

Winner of Github Music Hack Day Hackathon

Invited to demo app live at SF Music Tech Conference

Founded Coding Club

Created active membership of 35+ at Oakland junior college