Aylan Mello

hello@aylan.io || (415) 608-8533 || Berkeley, CA

aylan.io/code   github.com/aylanismello   linkedin.com/in/aylanmello

---

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 $1/10^9$ second timing precision for scheduling sound events with Web Audio API

vernacular - (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