

# ERIC HUYNH

ADDRESS  
ADDRESS  
erichuynhing.com  
ericehhuynh@berkeley.edu  
(714) 310-8273

## EDUCATION

---

University of California, Berkeley  
Bachelor of Arts in *Computer Science*  
GPA: 3.70

Years: August 2014 - May 2017 (expected)

### Relevant Coursework

Structure & Interpretation of Computer Programs  
Data Structures  
Machine Structures (Computer Architecture)  
Artificial Intelligence  
Efficient Algorithms and Intractable Problems

Database Systems  
Multivariable Calculus  
Linear Algebra & Differential Equations  
Discrete Math & Probability

## PERSONAL PROJECTS

---

### MyGeneralManager

- Java command line program that web scrapes basketball statistics (using jsoup), stores them in various data structures, and serializes them.
- Custom team building feature that extrapolates potential statistical performance.
- Optimization algorithms for quick retrieval of specific statistical queries.

### SoundFyre (soundfyre.net)

- Developed and maintained a social media website for local musical artists to share their music
- Implemented using Google Maps API, Parse (backend), JavaScript, jQuery, CSS, and HTML.

### EricHuynhing.com

- Personal website made from ground up with HTML, CSS, and jQuery.

## TECHNICAL EXPERIENCE

---

Pandora Media in Oakland, CA  
Software Engineer Intern, Platform Technology

May 2016 - August 2016

University of California, Berkeley in Berkeley, CA  
Undergraduate Researcher for the BioSENSE Group (BioSENSE.berkeley.edu)

November 2015 - Present

- Work with Ph.D. student to develop real time web-based API using WebRTC, OpenCV, and Node.js (backend) for the emotion analytics SDK, Affectiva.
- Develop command-line interface and executable to run emotion analysis on various media inputs and output in JSON for future data analysis.
- Assist in writing end-to-end (from recording and uploading of media to Node.js server to JSON output) tests.
- Write shell script to perform automated performance testing of the SDK and executable.

ASUC Office of the Chief Technology Officer in Berkeley, CA  
Backend Engineer for Project Campanile (BerkeleyTime.com)

October 2015 - Present

- Work with a team of other engineers to add, update, and test new features for the Django app that assists thousands of Berkeley students in searching through and querying over 8000 classes.
- Implement Course model and SQL table indexing using Apache Solr for better user search queries.
- Aid in transitioning of scraping and parsing of course data to using brand new API developed by school.

Structure and Interpretation of Computer Programs in Berkeley, CA  
Lab Assistant

June 2015 - January 2016

- Help and assist students with course work (homework, labs, and projects) in order to further their understanding of the main concepts and ideas of computer programming.

## TECHNICAL SKILLS

---

Java, Python, C, C++, HTML, JavaScript, jQuery, CSS, Scheme, SQL, Bootstrap, Git