ERIC HUYNH

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

EDUCATION

University of California, Berkeley   **Years:** August 2014 - May 2017 (expected)
Bachelor of Arts in *Computer Science*
GPA: 3.70

Relevant Coursework
Data Structures   Multivariable Calculus
Machine Structures (Computer Architecture)   Linear Algebra and Differential Equations
Artificial Intelligence   Discrete Math and Probability
Database Systems   Efficient Algorithms and Intractable Problems

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.net (group project)
- 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 (best way to get to know me).

TECHNICAL EXPERIENCE

Pandora Media in Oakland, CA   **May 2016 – August 2016**
Software Engineer Intern for the Platform Technology Team

University of California, Berkeley in Berkeley, CA   **November 2015 - Present**
Undergraduate Researcher for the BioSENSE Group
- 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 for research and experimental purposes.
- Develop command-line interface and executable (C++ and Microsoft Visual Studio) to run emotion analysis on various media inputs and output in JSON for future data analysis.
- Write shell script for automated performance testing of the executable and utilize data to improve overall performance (multithreading, video formats and lengths, etc.)

ASUC Office of the Chief Technology Officer in Berkeley, CA   **October 2015 – Present**
Backend Engineer for BerkeleyTime.com
- 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 and integrate Course model and database indexing using Apache Solr/Websolr via Heroku for better and faster user search queries.
- Transition from scraping and parsing of course, enrollment, and grade data (Beautiful Soup) to utilizing new API developed by school.

University of California, Berkeley in Berkeley, CA   **June 2015 – January 2016**
Lab Assistant for Structure and Interpretation of Computer Programs (CS61A)
- 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++, SQL, Git, HTML, JavaScript, jQuery, CSS, Django, Heroku, Bootstrap, Scheme