

ERIC HUYNH

ADDRESS
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EDUCATION

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

Graduation: May 2017

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

05/16 - 08/16

University of California, Berkeley in Berkeley, CA
Undergraduate Researcher

11/15 - 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)

10/15 - 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

06/15 - 01/16

- 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