

# ERIC HUYNH

ADDRESS  
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## EDUCATION

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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

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### 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

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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 a JSON file for future data analysis.
- Assist in writing end-to-end (from recording and uploading of media to a server to JSON output).
- 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

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