# ERIC HUYNH

ADDRESS
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## EDUCATION

**University of California, Berkeley**                    **Graduation:** May 2017
Bachelor of Arts in *Computer Science*
GPA: 3.70

**Relevant Coursework**

| | |
|---|---|
| Structure & Interpretation of Computer Programs | Database Systems |
| Data Structures | Multivariable Calculus |
| Machine Structures (Computer Architecture) | Linear Algebra & Differential Equations |
| Artificial Intelligence | Discrete Math & Probability |
| 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 (soundfyre.net)**
- Social media website for local musical artists to share their tracks and albums.
- Implemented using Google Maps API, Parse (backend), JavaScript, jQuery, CSS, and HTML.
- Group project with 3 other people.

**EricHuynhing.com**
- Personal website made from scratch with HTML, CSS, and jQuery.

## TECHNICAL EXPERIENCE

**University of California, Berkeley** in Berkeley, CA                    **11/15 - Present**
**Undergraduate Researcher**
- Work with Ph.D. student to develop 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 tests (from recording and uploading of media to a server to JSON output).

**ASUC Office of the Chief Technology Officer** in Berkeley, CA                    **10/15 – Present**
**Backend Engineer** for Project Campanile (BerkeleyTime.com)
- Work with a team of other engineers to update and improve backend parsing to compensate for changes made to the database of academic classes.
- Design and develop tests to diagnose and resolve backend bugs.
- Develop, organize, and write internal and external search API using Django REST framework.

**Structure and Interpretation of Computer Programs** in Berkeley, CA                    **06/15 - Present**
**Lab Assistant**
- 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