ERIC HUYNH

REDACTED
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EDUCATION

University of California, Berkeley   **Years:** August 2014 - May 2017 (expected)
Bachelor of Arts in *Computer Science*
GPA: 3.58

TECHNICAL EXPERIENCE

Pandora Media in Oakland, CA
    Software Engineer Intern: Platform Technology   **June 2016 - Present**
- Improve second level cache performance (25-50% database hit reduction) during rolling updates of application servers by utilizing Redis, Memcached, and Hibernate
- Install MemSQL on server cluster, load 20 billion rows of data, through a MapReduce job, from the Hadoop Distributed File System, and evaluate MemSQL's performance and capabilities

ASUC Office of the Chief Technology Officer in Berkeley, CA
    Senior Backend Engineer: BerkeleyTime.com   **June 2016 - Present**
    Backend Engineer: BerkeleyTime.com   **October 2016 - May 2016**
- 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 querying over 14000 classes along with their corresponding grade and enrollment data
- Integrate Course model and database indexing using Apache Solr/Websolr
- Implement new API for class information developed by school by refactoring and deprecating old code
- Provide technical and codebase (65,000 lines of code and growing) knowledge for other Backend Engineers

University of California, Berkeley in Berkeley, CA
    Undergraduate Researcher: BioSense Lab   **November 2015 - Present**
- Develop real time web-based API using WebRTC, OpenCV, and Node.js (backend) for the emotion analytics SDK, Affectiva for research and experimental purposes

University of California, Berkeley in Berkeley, CA
    Lab Assistant: Structure and Interpretation of Computer Programs   **June 2015 - January 2016**
- Helped and assisted students with course work (homework, labs, and projects) in order to further their understanding of the main concepts and ideas of computer programming

PERSONAL PROJECTS

MyGeneralManager
- Java command line program that web scrapes basketball statistics, stores them in various data structures, and serializes them

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, inspired by Sublime Text, made from ground up with HTML, CSS, and jQuery

COURSEWORK

Completed
- Structure and Interpretation of Computer Programs, Data Structures, Machine Structures (Computer Architecture), Artificial Intelligence, Database Systems, Efficient Algorithms and Intractable Problems
- Multivariable Calculus, Linear Algebra and Differential Equations, Discrete Math and Probability

In Progress
- Operating Systems, Computer Security, Internet Architecture and Protocols, Machine Learning

TECHNICAL SKILLS

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