Tommy Le Huynh

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EDUCATION

University of California, Berkeley GPA: **3.528** **Expected May 2018**
Bachelors of Arts in Computer Science w/ Minor in Statistics

Related Courses
Discrete Math and Probability, Data Structures and Algorithms, Machine Structures, Structure and Interpretation of Computer Programs, Linear Algebra and Differential Equations

Programming Languages
Java, Python, JavaScript, Node.js, Angular.js, HTML, CSS, MongoDB, Mongoose, Express, MIPS, C

WORK EXPERIENCE

Full-Stack Developer **Late October 2015 – Present**
UC Berkeley Math Department

- Incorporated the CalNet Central Authentication Service (CAS) to build enterprise applications with close mentorship from the head Computer Systems Administrator, Igor Savine.
- Utilized Python Flask and Jinja2 templates to create time-keeping software for the UC Berkeley Math Department.

Facebook TechStart Role Model **October – December 2015**

- Facebook TechStart works with public high schools to connect students to the amazing world of technology by teaching and inspiring the next generation.
- Assisted students with a variety of tasks, from helping on homework assignments to more broad advice about problem solving and the possibilities that this field beholds.
- Met with students weekly at Coliseum College Prep Academy (CCPA) High School in Oakland, CA.

Data Structure and Algorithms Course Lab Assistant **August 2015 - Present**

- Assist students with understanding the core concepts of the course through one-on-one instruction.
- Provide guidance on course projects and lab assignments.
- Topics included: tree-maps, hash-maps, heaps, arrays, runtime analysis, MSTs, Dijkstra's, A*, quick-sort, merge-sort, and selection sort.

PERSONAL PROJECTS

Tom-icles **January 2016**
MEAN.js (MongoDB | Express | Angular | Node.js)

- Applied the MEAN stack to build an application that displays articles with a Reddit style “upvote” system.
- Utilized MongoDB and Mongoose to store the article url and upvotes, Express to build a RESTful Node API, and Angular AJAX $http calls to build an application with no refreshes.

TL;DR **Cal Hacks | October 2015**
JavaScript | Frontend Developer

- Developed a Google Chrome extension that summarizes the contents of an online article with an option to determine how much to reduce the article by.
- Utilized JavaScript and HTML to capture the article's text from a web-page, as well as build the actual extension itself.
- Created the "popularity" algorithm that determines which sentences best summarize the article through the assignment of weights to certain key words that frequently appear within the text.