Tommy Le Huynh

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EDUCATION

University of California, Berkeley GPA: **3.528** **Expected May 2018**
B.A. in Computer Science

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 and Frameworks
Proficient: Java, Python, JavaScript, jQuery
Learning: Node.js, Angular.js, MongoDB, Mongoose

WORK EXPERIENCE

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

- Developed enterprise software that follow RESTful models; currently project is the development of a time-keeping system that can update all users in real time.
- Utilized Python Flask to build the routes, View rendering, and RESTful server portions of the time-keeping system.
- Incorporated JavaScript, jQuery, and AJAX calls in the time-keeping software to push client-side changes to the server and achieve a non-refresh update by only changing specific portions of the View.

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

- Worked 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.

Data Structure and Algorithms Course Lab Assistant **August – December 2015**

- Assisted students with understanding the core concepts of the course through one-on-one instruction.
- 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 | Algorithm Design

- 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, put it through our algorithm, and display the summarized version onto the view.
- 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.