

## Khoa Q.D. Tran

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Personal Website: [www.ocf.berkeley.edu/~kqdttran/](http://www.ocf.berkeley.edu/~kqdttran/)  
Email: [khoatran@berkeley.edu](mailto:khoatran@berkeley.edu) - Phone: (831)402-3491  
Github: [github.com/kqdttran/](https://github.com/kqdttran/)

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|--------------------------------|--|---|
| <b>EDUCATION</b>               | <b>University of California, Berkeley</b>  | Fall 2012 - Present   |
|                                | Bachelor of Arts, Computer Science. In-major GPA: 3.70<br>Expected graduation date: May 2014   |   |
|                                | <b>Monterey Peninsula College</b>  | Fall 2010 - Summer 2012                                       |
|                                | Associate of Arts, Computer Science and Mathematics. GPA: 4.00   |   |
| <b>RELEVANT<br/>COURSEWORK</b> | Data Structures  | Structures and Interpretations of Computer Programs           |
|                                | Discrete Mathematics   | Probability and Risk Analysis for Engineers                   |
|                                | Machine Structures   | Industrial and Commercial Data Systems ( <i>In Progress</i> ) |
|                                | Algorithms ( <i>In Progress</i> )  | Intro to Digital Electronics ( <i>In Progress</i> )           |
| <b>EXPERIENCE</b>              | <b>Research Assistant</b>  | Beginning February 2013                                       |
|                                | <i>Mathapedia Research Group, EECS Department, UC Berkeley</i>   |   |
|                                | <b>Research Apprentice</b>   | September 2012 - December 2012                                |
|                                | <i>Knight Lab, Helen Wills Neuroscience Institute, UC Berkeley</i> <ul style="list-style-type: none"><li>Conducted research on neural signals with a Postdoc using Matlab and eye tracking system</li></ul>                  |   |
|                                | <b>Calculus Tutor</b>  | June 2012 - August 2012                                       |
|                                | <i>Math Tutoring Center, Monterey Peninsula College</i> <ul style="list-style-type: none"><li>Provided one-on-one and in-group tutoring to 10+ students taking Calculus 1 and 2</li></ul>                                    |   |
| <b>PROJECTS</b>                | <b>Ninja Scraper</b>   | Python  |
|                                | <ul style="list-style-type: none"><li>Scraper that automatically downloaded all past exams for a selected course</li></ul>   |   |
|                                | <b>MapReduce in the Cloud</b>  | Java, Hadoop  |
|                                | <ul style="list-style-type: none"><li>Text analyzer ran on Amazon EC2 that determined the co-occurrence rates between phrases in the corpus</li></ul>  |   |
|                                | <b>Plagiarism Detection Program</b>  | Java  |
|                                | <ul style="list-style-type: none"><li>Plagiarism detector that checked for similarities among homework submissions in an Introductory Programming class</li></ul>  |   |
| <b>TECHNICAL<br/>SKILLS</b>    | <b>Programming</b>   |   |
|                                | <ul style="list-style-type: none"><li><i>Proficient:</i> Java; Python</li><li><i>Working Knowledge:</i> C/C++; Scheme; HTML/CSS; SQL</li><li><i>Some Experience:</i> JavaScript; Scala; SML; MIPS Assembly; Matlab</li></ul> |   |
|                                | <b>Operating Systems and Software Tools</b>  |   |
|                                | <ul style="list-style-type: none"><li>Ubuntu; Mac OS X; Windows 7/XP</li><li>Git; Visual Studio; Eclipse; Emacs; LaTeX</li></ul>   |   |