

## Khoa Q.D. Tran

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[kqdtran.github.io](https://kqdtran.github.io) - [github.com/kqdtran](https://github.com/kqdtran)

EDUCATION	<b>University of California, Berkeley</b>	Fall 2012 - Present
	Bachelor of Arts, Computer Science. Cumulative UC GPA: 3.73 Expected graduation date: May 2014	
	<b>Monterey Peninsula College</b>	Fall 2010 - Spring 2012
	Associate of Arts, Computer Science and Mathematics. Cumulative GPA: 4.00	
RELEVANT COURSEWORK	Data Structures Machine Structures Artificial Intelligence ( <i>Fall 13</i> )	Discrete Mathematics Algorithms Applied NLP ( <i>Fall 13</i> )
		Probability & Risk Analysis for Engineers Industrial & Commercial Database Systems Computer Networking ( <i>Fall 13</i> )
EXPERIENCE	<b>Computer Science Intern</b>	June 2013 - Present
	<i>Ocean Tomo, LLC</i>	
	<ul style="list-style-type: none"><li>Improve workflow efficiency by implementing features that allow employees to handle “conflict checks” and job requests online, using Play Framework 2, Bootstrap, jQuery, MySQL, Circumflex ORM, and Elasticsearch</li><li>Create interactive visualizations and reports with D3.js using data extracted from an Access database</li></ul>	
	<b>Content Developer</b>	March 2013 - Present
	<i>Mathapedia Research Group, EECS Department, UC Berkeley</i>	
	<ul style="list-style-type: none"><li>Develop interactive contents for <i>CS70: Discrete Mathematics &amp; Probability Theory</i> and <i>EE149: Intro to Embedded Systems</i> using <math>\LaTeX</math>, Javascript, and MathJax</li></ul>	
	<b>Reader/Grader</b>	February 2013 - Present
	<i>EECS Department, UC Berkeley</i>	
	<ul style="list-style-type: none"><li>Grade weekly problem sets for 400+ students in <i>CS70: Discrete Mathematics &amp; Probability Theory</i></li><li>Collaborate with TAs and other Readers to assist students in weekly office hour and on online discussion forum</li></ul>	
	<b>Calculus Tutor</b>	June 2012 - August 2012
PROJECTS	<i>Math Learning Center, Monterey Peninsula College</i>	
	<ul style="list-style-type: none"><li>Collaborated with instructors to provide one-on-one and in-group tutoring to 30+ students taking Calculus</li></ul>	
	<b>Project: Juice Database</b>	MS Access, SQL
	<ul style="list-style-type: none"><li>Relational database management system with built-in SQL queries and web-based presentation slides built for <i>Project: Juice</i>, a San Francisco-based startup, in a team of 8 students</li></ul>	
	<b>Ninja Scraper</b>	Python, Beautiful Soup
	<ul style="list-style-type: none"><li>Command-line web scraper that automatically downloaded past exams for a selected course at UC Berkeley</li></ul>	
	<b>Plagis</b>	Java
	<ul style="list-style-type: none"><li>Plagiarism detector that checked for similarities among homework submissions in an Introductory Programming class taught in Java</li></ul>	
	<b>TECHNICAL SKILLS</b>	
	<b>Languages</b>	
	<ul style="list-style-type: none"><li>Most experienced with Scala, Java, and Python</li><li>Familiar with C/C++, HTML, CSS, JavaScript, SQL, R, <math>\LaTeX</math>, and Bash Scripting</li></ul>	
	<b>Software</b>	
	<ul style="list-style-type: none"><li>Operating Systems: Unix/Linux, Mac OS X, Windows 7/XP</li><li>Databases: SQLite, MySQL, PostgreSQL, Microsoft Access</li><li>Frameworks &amp; Libraries: Play Framework 2, Flask, Twitter Bootstrap, jQuery, D3.js</li><li>Other Tools: Git, Heroku, Visual Studio, Eclipse, IntelliJ, Emacs</li></ul>	