

Khoa Q.D. Tran

2700 Hearst Ave., Apt 2B31G, Berkeley, CA 94720
Email: khoatran@berkeley.edu - Phone: (831)402-3491
Personal Website: kqdtran.github.io
Github: github.com/kqdtran

EDUCATION	University of California, Berkeley	Fall 2012 - Present
	Bachelor of Arts, Computer Science. Cumulative UC GPA: 3.59 Expected graduation date: May 2014	
	Monterey Peninsula College	Fall 2010 - Spring 2012
	Associate of Arts, Computer Science and Mathematics. Cumulative GPA: 4.00	
RELEVANT COURSEWORK	Data Structures Discrete Mathematics Probability & Risk Analysis for Engineers Machine Structures Algorithms (<i>In Progress</i>) Industrial & Commercial Database Systems (<i>In Progress</i>)	
EXPERIENCE	Content Developer	March 2013 - Present
	<i>Mathapedia Research Group, EECS Department, UC Berkeley</i>	
	<ul style="list-style-type: none">Develop interactive contents for EE149: Intro to Embedded Systems using \LaTeX, Javascript, and MathJax	
	Reader/Grader	February 2013 - Present
	<i>EECS Department, UC Berkeley</i>	
	<ul style="list-style-type: none">Grade weekly problem sets in CS70, Discrete Mathematics & Probability Theory for 400+ studentsHold weekly office hours and go over graded problem sets with students	
	Software Engineering Extern	March 2013
	<i>Constant Contact</i>	
	<ul style="list-style-type: none">Shadowed engineers, observed their day-to-day routines, and discussed cultural & technical questionsGained a deeper understanding of the software development process and the power of version control	
	Calculus Tutor	June 2012 - August 2012
	<i>Math Tutoring Center, Monterey Peninsula College</i>	
	<ul style="list-style-type: none">Provided one-on-one and in-group tutoring to 10+ students taking Calculus 1 and 2	
PROJECTS	Database Design Project (<i>In Progress</i>)	MS Access, SQL
	<ul style="list-style-type: none">Design and develop a relational database management system for Project Juice, a San Francisco-based startup, in a team of 8 studentsDevelop and maintain the team's website for public presentations	
	Ninja Scraper	Python
	<ul style="list-style-type: none">Improved and extended a scraper that automatically downloaded past exams for a selected course	
	Plagiarism Detection Program	Java
	<ul style="list-style-type: none">Developed and implemented a primitive plagiarism detector that checked for similarities among homework submissions in an Introductory Programming class	
TECHNICAL SKILLS	Programming	
	<ul style="list-style-type: none"><i>Most experienced with Python and Java</i><i>Familiar with C/C++, Scheme, SQL, Bash Scripting, HTML/CSS/Markdown, and JavaScript</i><i>Dabbled in jQuery, Ruby, Scala, MIPS Assembly, and Matlab</i>	
	Operating Systems and Software Tools	
	<ul style="list-style-type: none"><i>Operating Systems:</i> Unix(Solaris)/Linux(Ubuntu), Mac OS X, Windows 7/XP<i>Databases:</i> SQLite, MySQL, Microsoft Access<i>Frameworks:</i> Flask, Bottle, Hadoop<i>Software Tools:</i> Git, Visual Studio, Eclipse, Emacs, \LaTeX/LyX	