

Khoa Q.D. Tran

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EDUCATION	University of California, Berkeley	Fall 2012 - Present
	Bachelor of Arts, Computer Science. In-major GPA: 3.70 Expected graduation date: May 2014	
	Monterey Peninsula College	Fall 2010 - Spring 2012
	Associate of Arts, Computer Science and Mathematics. GPA: 4.00	
RELEVANT COURSEWORK	Data Structures	Structures and Interpretations of Computer Programs
	Discrete Mathematics	Probability and Risk Analysis for Engineers
	Machine Structures	Industrial and Commercial Database Systems (<i>In Progress</i>)
	Algorithms (<i>In Progress</i>)	Intro to Digital Electronics (<i>In Progress</i>)
EXPERIENCE	Content Developer	February 2013 - Present
	<i>Mathapedia Research Group, EECS Department, UC Berkeley</i>	
	Reader/Grader	February 2013 - Present
	<i>Computer Science 70, EECS Department, UC Berkeley</i>	
	<ul style="list-style-type: none">• Grade weekly problem sets in CS 70, Discrete Mathematics & Probability Theory for 400+ students• Hold weekly office hours and go over graded problem sets with students	
	Research Apprentice	September 2012 - December 2012
	<i>Knight Lab, Helen Wills Neuroscience Institute, UC Berkeley</i>	
	<ul style="list-style-type: none">• Conducted research on neural signals using Matlab and eye tracking system	
	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 students.• Develop and maintain the team's website for presentation purpose	
	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 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</i> Python and Java• <i>Familiar with</i> C/C++, Scheme, SQL, and HTML/CSS• <i>Dabbled in</i> JavaScript, Ruby, Scala, SML, MIPS Assembly, and Matlab	
	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, Microsoft Access• <i>Frameworks:</i> Flask, Bottle, Hadoop• <i>Software Tools:</i> Git, Visual Studio, Eclipse, Emacs, L^AT_EX/LyX	