

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• 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	Ninja Scraper	Python
	<ul style="list-style-type: none">• Scraper that automatically downloaded all past exams for a selected course	
	MapReduce in the Cloud	Java, Hadoop
	<ul style="list-style-type: none">• Text analyzer ran on Amazon EC2 that determined the co-occurrence rates between phrases in the corpus	
	Plagiarism Detection Program	Java
	<ul style="list-style-type: none">• Plagiarism detector that checked for similarities among homework submissions in an Introductory Programming class	
TECHNICAL SKILLS	Programming	
	<ul style="list-style-type: none">• <i>Proficient:</i> Python; Java• <i>Working Knowledge:</i> C/C++; Scheme; HTML/CSS; SQL• <i>Some Experience:</i> JavaScript; Scala; SML; MIPS Assembly; Matlab	
	Operating Systems and Software Tools	
	<ul style="list-style-type: none">• Ubuntu; Mac OS X; Windows 7/XP• Git; Visual Studio; Eclipse; Emacs; L^AT_EX/Ly_x	