Khoa Q.D. Tran

Personal Website: www.ocf.berkeley.edu/~kqdtran/
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EDUCATION

University of California, Berkeley — Fall 2012 - Present
Bachelor of Arts, Computer Science. GPA: 3.59
Expected graduation date: May 2014

Monterey Peninsula College — Fall 2010 - Summer 2012
Associate of Arts, Computer Science and Mathematics. GPA: 4.00

RELEVANT COURSEWORK

Machine Structures	Structures and Interpretations of Computer Programs
Discrete Mathematics	Probability and Risk Analysis for Engineers
Data Structures	Intro to Web Design using HTML/CSS
Algorithms *(In Progress)*	Intro to Digital Electronics *(In Progress)*

EXPERIENCE

Research Apprentice — September 2012 - Present
Knight Lab, Helen Wills Neuroscience Institute, UC Berkeley
- Conducted research on neural signals with a Postdoc using Matlab and eye tracking system

Calculus Tutor — June 2012 - August 2012
Math Tutoring Center, Monterey Peninsula College
- Provided one-on-one and in-group tutoring to 10+ students taking Calculus 1 and 2

PROJECTS

Ninja Scraper — Python
- Scraper that automatically downloaded all past exams for a selected course

MapReduce in the Cloud — Java, Hadoop
- Text analyzer ran on Amazon EC2 that determined the co-occurrence rates between phrases in the corpus

Scheme Interpreter — Python, Scheme
- Interpreter that parsed and evaluated expressions in a subset of the Scheme language

Plagiarism Detection Program — Java
- Plagiarism detector that checked for similarities among homework submissions in an Introductory Programming class

TECHNICAL SKILLS

Programming
- *Proficient*: Java; C/C++; Python
- *Working Knowledge*: Scala; Scheme; Matlab; MIPS Assembly; HTML/CSS; JavaScript; Bash Scripting

Operating Systems and Software Tools
- Ubuntu; Mac OSX; Windows 7/XP
- Git; Visual Studio; Eclipse; Emacs; LaTex