

2700 Hearst Avenue
Building 2B, Room 31G
Berkeley, CA 94720-5800

KHOA Q.D. TRAN

(831) 402-3491
khoatran@berkeley.edu
www.ocf.berkeley.edu/~kqdtran

EDUCATION

University of California, Berkeley

- Bachelor of Arts in Computer Science. Expected graduation date: **May 2014**
- In-progress coursework: Structures and Interpretation of Computer Programs, Great Ideas in Computer Architectures, Discrete Mathematics, Probability and Risk Analysis for Engineers

Monterey Peninsula College

- Associate of Arts in Computer Science and Mathematics (Spring 2012). GPA: 4.0/4.0
- Coursework: Data Structures and Algorithm Analysis in Java/C++, Single and Multivariable Calculus, Linear Algebra and Differential Equations, Intro to Web Design using HTML/CSS

EXPERIENCE

Research Apprentice

Knight Lab, UC Berkeley

September 2012 - Current

- Conducted research on neural signals with a Postdoc using Matlab and eye tracking system

Calculus Tutor

Monterey Peninsula College

June 2012 – August 2012

- Provided one-on-one and in-group tutoring to 10+ students taking Calculus 1 and 2

PROJECTS

- **MapReduce in the Cloud** (Java, Hadoop). Text analyzer ran on the Amazon EC2 that determined the co-occurrence rates between phrases in the corpus.
- **Plagiarism Detection Program** (Java). Plagiarism detector that checked for similarity among homework submissions in an Introductory Programming class
- **Maximum Flow on Graphs** (C++). Program that determined the maximum flow through a weighted, single-source, single-sink flow network

LANGUAGES AND TECHNOLOGIES

- **Programming Languages:** *Proficient:* Java; C/C++; Python
Some experience: Scheme; Matlab; MIPS Assembly; JavaScript; HTML/CSS
- **Applications:** Visual Studio; Eclipse; IDLE; Emacs; Lyx/LaTeX; Microsoft Office
- **Operating System:** Windows XP, 7; Unix/Linux

ADDITIONAL AWARDS

- **Deans Highest Honors (2011 - 2012):** Awarded by Monterey Peninsula College
- **Vera Coleman Scholarship (Spring 2012):** For the top 1% transfer student