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

K H O A   Q . D .   T R A N

(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, 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
- **Scheme Interpreter** (Python, Scheme). Interpreter that parsed and evaluated expressions in a subset of the Scheme language

LANGUAGES AND TECHNOLOGIES

- **Programming Languages**: *Experienced with*: Java; Python
Some experience: C/C++; Scheme; MIPS Assembly; HTML/CSS; JavaScript; Bash Scripting
- **Applications**: Visual Studio; Eclipse; IDLE; Emacs; 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 at Monterey Peninsula College