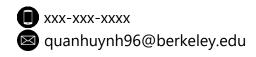
# Quan Huynh



# Experience

#### **Software Developer Intern**

June 2016 - August 2016 Bank of America Corporation | Plano, TX

- Maintained credit rewards team's internal applications, used by thousands of call center operators, with Java EE, Struts2, Hibernate
- Fixed security defects (SQL injections, cross site scripting, input validation) affecting 50+ code files in applications backend
- Developed testing utility application from scratch, guerying schemas across 16 global testing environments

#### **Web Assistant**

September 2015 - present

UC Berkeley Vice Chancellor Office for Research | Berkeley, CA

- Design and implement websites for campus projects, professors, departments, and other university-affiliated clients
  - Develop sites in content management system Drupal

#### **Web Assistant**

September 2015 - present

UC Berkeley Master of Development Practice | Berkeley, CA

- Maintain website of the MDP Program at mdp.berkeley.edu
- Serve as liaison to server host team operating under UC Berkeley Department of Natural Resources
  - Provide daily IT support and social media assistance



#### **Hair Rendering BSDF**

- Implementation of bidirectional scattering distribution function for digitally rendering realistic hair
  - Based on papers on physics of light scattering in hair fibers
  - Built as an extension to Mitsuba, a physically-based renderer

#### Tradebook

- Web app made for virtual trading with real stock market data
- Features regular trading, watchlisting, user account system, personalized trade portfolios
  - Built with MeteorJS and Yahoo Finance API

#### **Java Matrix Computation Package**

- Linear algebra package created for Java
- 20+ methods for working with matrices, basic determinants and inverses to row reductions and more
  - Downloadable .jar with online documentation

#### **DailyProgrammer**

- Code portfolio to problems from DailyProgrammer subreddit
- Extended some challenges to mini-projects: Minesweeper, Langton's Ant Simulator, interactive Conway's Game of Life

# Education

#### **UC Berkeley**

Berkeley, CA **Expected December 2017 B.A.** Computer Science

# Coursework

**Data Structures Machine Structures** Discrete Math/Probability Computing with Data Intro to Al **Efficient Algorithms Databases** Web Architecture **Computer Security** Computer Graphics and Imaging



# Skills >

#### **Familiar with Experienced** in

C Java (SE/EE) C++ Python JavaScript HTML **CSS** 

### **Tools / Frameworks**

Git

SQL

**Apache Struts** Hibernate **Bootstrap** SASS

MeteorJS

Photoshop/Illustrator



#### **Personal Website**

http://quanhuynh.org

#### Github

http://github.com/quanhuynh

#### LinkedIn

http://linkedin.com/in/quanhuynh