

Quan Huynh



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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, querying 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

Projects

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 AI
Efficient Algorithms
Databases
Web Architecture
Computer Security
Computer Graphics and Imaging

Skills

Experienced in

Java (SE/EE)
Python
JavaScript
HTML
CSS
SQL

Familiar with

C
C++
R

Tools / Frameworks

Git
Apache Struts
Hibernate
Bootstrap
SASS
MeteorJS
Photoshop/Illustrator

Links

Personal Website

<http://quanhuynh.org>

Github

<http://github.com/quanhuynh>

LinkedIn

<http://linkedin.com/in/quanhuynh>