Simon Zeng

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EXPERIENCE

Fannie Mae
Application Developer Analyst / November 2016 – Present
- Technical member of the Capital Markets Treasury Reporting team.
- Created and maintained an automation framework used for nightly regression.
- Developed custom reports/documents consumed external clients as well as internal traders.
- Participated in and led daily scrum ceremonies.

Cornell University
Teaching Assistant / August 2015 – May 2016
- Taught frontend and backend concepts for introductory and intermediate web design.
- Held weekly office hours.

PROJECTS

Home Automation (2017)
- Voice activated Bluetooth light using Alexa Skills, Raspberry Pi, Amazon Simple Queue Service.

SQL Interpreter (2016)
- SQL interpreter built with JsqlParser and Java that supports all the main operator with join type optimizations and indexing.

TiltVision (2016)
- A statistic tracking application for the popular game League of Legends using the RESTful Riot Games API presented with a front-end built with Angular.

Tuber (2015)
- An application aimed at extending the accessibility of Uber to non-smartphones via SMS. Made using Twilio, Python, and Flask.

Shipping Simulator (2015)
- A twist to the classic traveling salesman problem implemented with Java.

Breakout (2014)
- A replica of the classic arcade game, Breakout, written in Python with Kivy.

EDUCATION

Cornell University, 2016
Computational Biology,
Minor in Computer Science,
Minor in Information Science

SKILLS

Language:
SQL
PHP
Java
Python
Angular
HTML/CSS
JavaScript/jQuery

Tools:
Maven
Jenkins
Selenium
Sauce Labs
Subversion/Git
MicroStrategy
Spring Framework

SELECT COURSEWORK
Database
Web Design
Data-driven Web App
Computer Organization
Object Oriented Programming