JENNA-KAELYN HUANG

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University of California Berkeley

Computer Science
December 2018

Coursework:
CS 61A (Python)
CS 61B (Java and Data Structures)
*CS 61C (Machine Structures)
CS 70 (Discrete Math and Probability)
CS 170 (Algorithms)
CS 188 (Artificial Intelligence)
*CS 186 (Databases)

Languages

Java | 5/5
Python | 5/5
HTML/JSP | 5/5
SQL | 4/5
C | 4/5

Tools

Photoshop
Illustrator
Eclipse
IntelliJ
Hive
Vim
Git

Interests

Live Music
Teaching
Storytelling
Interior Design
Reddit
Trivia

Software Engineer Intern

Uber | San Francisco, CA | Aug 2017 - Dec 2017

- Conducted a ML research experiment to measure improvement in map matching algorithms when incorporating car orientation
- Designed and built the entire map matching testing framework which included performance metrics and improved route visualizations
- Found positive results in certain regions with well-designed road geometry

Software Engineer Intern

Pandora Media | Oakland, CA | June 2017 - Aug 2017

- Developed the framework for any internal search engine to remotely call Pandora's new ML based search service
- Pitched, automated, and deployed the first recommender system that utilizes Pandora Premium's on-demand user data to recommend songs
- Scraped and crawled data to configure heuristics and rank high performing songs on Pandora Premium

CS Instructor

Girls Who Code | Albany, CA | Aug 2016 - Dec 2016

- Lead a CS class of 25 girls ages 10-14 at the Albany Public Library
- Planned and presented lessons teaching basic HTML, Python, Scratch
- Instructed students on how to build an interactive website for their class chosen community project
- Introduced the girls to inspiring and accomplished women in tech through field trips to tech companies and inviting guest speakers to class

BearMaps

(Java, Apache Maven)

- Developed an interactive web mapping API of Berkeley that provides shortest distance routes to desired destinations as well as an auto complete search engine for defined locations
- Used Apache Maven and Java Spark as the server framework to translate the Java parameters into JSON to display the map
- Utilized the OpenStreetMap project for the XML files parsed

Editor

(Java, JavaFX)

- Built a JavaFX text editor with the following basic features: cursor, word wrap, font size changes, open and save, window resizing
- Designed an API from scratch (no starter code, open design implementations)