JENNA-KAELYN HUANG

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University of California Berkeley

Computer Science
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Coursework:
CS 61A (Python)
CS 61B (Java and Data Structures)
CS 70 (Discrete Math and Probability)
CS 188 (Artificial Intelligence)
*CS 170 (Algorithms)

Languages

Java | 5/5
Python | 5/5
HTML | 4/5
C | 4/5
Scheme | 4/5
SQL | 2/5

Tools

Github
Bitbucket
Photoshop
Microsoft Office
Valgrind

Interests

Concerts
Music Festivals
Storytelling
Interior Decor
Jeopardy
Reddit

BearMaps
(CS61B: 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
(CS61B: 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)

Interapreter
(CS61A: Python)

- Implemented a Scheme interpreter in Python
- Evaluates symbol evaluation, user-defined procedures, evaluation of special forms, and syntax of scheme expression

CS Instructor at Girls Who Code
Albany, CA | August 2016 - Present

- Currently leadig a class of 25 girls ages 10-14 at the Albany Public Library hosted by Girls Who Code
- Planning and presenting lessons using basic HTML, Python, Scratch to teach the GWC Core4: loops, conditionals, variables, and functions
- Working together with GWC to build the largest pipeline of female engineers in the US and close the gender gap in STEM
- Acting as both a CS mentor/peer as well as a female engineering role model for my students

CS Kickstart
UC Berkeley | Spring 2015 - Present

- A week long program targeting underexperienced, female first year students interested in computer science
- Provides participants with hands-on experience in programming with Jython (a Java and Python hybrid language)
- Creates and provides an all-female network before school starts to be utilized later in their careers when facing gender disparities and discrimination