YICHEN SUN

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University of California, Berkeley | Computer Science & Statistics, B.A. | Class of 2020

Proficient: Python, Java | Familiar: Scheme, SQL, HTML/CSS | Tools: Adobe Illustrator, Adobe Photoshop

WORK

August 2017 – Present

Undergraduate Student Instructor | *University of California, Berkeley*
- TA for Berkeley's CS61A: The Structure and Interpretation of Computer Programs, an intro programming course taught in Python
- hold office hours, and teach weekly discussions and labs of 35 students

June 2017 – August 2017

Course Tutor | *University of California, Berkeley*
- reviewed CS61A course material with three sections students twice a week
- provided one-on-one hourly tutoring for code writing and conceptual help
- guest lectured on SQL fundamentals

PROJECTS

BearMaps

Java|Sp17
- implemented a graph database, and utilized data from OpenStreetMap to construct an interactive map of the UC Berkeley campus
- users could zoom in and out on specific locations without loss of image resolution
- users could find the shortest route between any two locations by clicking on the start destination and the end point
- users could search for any location, with name-search autocomplete

Database Management System

Java|Sp17
- implemented a relational database management system, which supported SQL-like queries including joins, filtering, and arithmetic computations
- supported table imports from .tbl files
- parsed user queries via Regex pattern matching

EXTRACURRICULARS

August 2017 – Present

Junior Mentor for CS61B | Computer Science Mentors
- mentor a small group of CS students
- provide additional tutoring/review of course content for CS61B: Data Structures

August 2017 – Present

Student | iOS DeCal
- enrolled in a student-lead class with the goal of building a variety of mobile apps, including one entirely of my own design