Yichen sun yichensun@berkeley.edu | (510) 358-5955

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 |