Sohrob Eslamieh
1928 Stadium Rim Way, Berkeley, CA 97420
(310) 774-7488 | sohrobeslamieh@berkeley.edu
https://www.linkedin.com/in/sohrob-eslamieh/

EDUCATION

2018-Present **UNIVERSITY OF CALIFORNIA, BERKELEY** Berkeley, CA

Bachelor of Arts – Computer Science major with Spanish minor graduating in 2022

- Cumulative GPA: 3.842/4.0;
- Relevant Coursework: Structure and Interpretation of Computer Programs (CS 61A), Data Structures (CS 61B), Great Ideas in Computer Architecture (CS 61C), Web Design (DesInv 98), Discrete Mathematics and Probability Theory (Math 55), Linear Algebra and Differential Equations (Math 54)

2014-2018 **MALIBU HIGH SCHOOL** Malibu, CA

High School Diploma

- Cumulative GPA: 4.0/4.0
- Valedictorian
- Relevant Coursework: Multivariable Calculus, Digital Design (Adobe Suite)

EXPERIENCE

2019-Present **UC BERKELEY ELECTRICAL ENGINEERING & COMPUTER SCIENCE (EECS)** Berkeley, CA

Academic Intern

- Academic Intern for CS 61B, UC Berkeley's data structures course.
- Helping teach students data structures like ArrayLists, disjoint sets, BSTs, Red Black Trees, HashMaps, heaps, priority queues, Tries, KDTrees, and graphs.
- Also helping teach concepts such as JUnit testing, asymptotic analysis, hashing, graph traversals (A*, DFS, BFS, etc.), and list sorting algorithms.

PROJECTS

2019 **Video Game Development** Berkeley, CA

- Developed a small scale world video game similar to PAC-MAN in terms of style and objectives
- Pseudo-randomly generates worlds based on user inputed seeds
- Used Java libraries such as Princeton's StdDraw in order to create an interactive end user GUI
- Able to share code snippets of the project privately through GitHub

2019 **Berkeley "Bear" Maps** Berkeley, CA

- Developed a web based map application in Java that supports the searching of local businesses
- Implemented an auto-complete feature that utilizes Trie operations in order to make the search feature more convenient.
- Implements A* in order to find the best directions between data points
- Implements a KD Tree in order to organize data points and efficiently find the closest queried point.
- Able to share code snippets of the project privately through GitHub

SKILLS

- Proficient in Python, SQL, Lisp, Java, C, RISC-V, HTML, CSS, JavaScript and Git
- Proficient in Adobe Suite, Google Suite, Microsoft Office
- Full fluency in Farsi, Spanish, and English