

# SOHROB ESLAMIEH

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## Education

### UC Berkeley

#### **B.A. Candidate, Computer Science, Expected May 2022**

Cumulative GPA: 3.82/4.0

Relevant Coursework: Efficient Algorithms and Intractable Problems (CS 170), Optimization Models in Engineering (EECS 127), 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).

### Malibu High School

Cumulative GPA: 4.0/4.0; Valedictorian;

## Experience

### UC Berkeley Electrical Engineering & Computer Science (EECS)

Intern for Course Staff | August 2019-December 2019

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

## Projects

### Video Game Development

Developed a small-scale world video game similar to PAC-MAN in terms of style and objectives. Pseudo-randomly generates worlds based on user inputted 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 upon request.

### Personal Website

Coded a personal website HTML, CSS, and JavaScript. All of the CSS, HTML, and much of the JavaScript (aside from the use of a JavaScript library) were written completely from scratch in order to hone understanding of the languages and create a personalized aesthetic. The website was deployed through GitHub Pages and can be found at [sohrob321.github.io](https://sohrob321.github.io).

## Skills

Proficient in **Python**, **Java**, **C**, HTML, CSS, JavaScript, **Git**, LaTeX, Unix, Spark, MapReduce, SQL, Lisp, Assembly, Adobe Suite, Google Suite, Microsoft Office. Full fluency in Farsi, Spanish, and English.