

# Zeckria Kamrany

Open to Relocation | U.S. Citizen

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## EDUCATION

**The University of California, Los Angeles**

*Bachelor of Science, Computer Science*

Upsilon Pi Epsilon, Tau Beta Pi

**Expected Graduation: June 2025**

*GPA: 3.93*

**Coursework:** Linear Algebra, Introduction to Computer Science I, Introduction to Computer Science II, Introduction to Computer Organization, Software Construction Laboratory, Intro to Discrete Structures

## PROJECTS

### TunnelMan

Language: **C++**

- 2-D game that updates in real-time with level-based progression, basic objective completion, and a point system that took over 2.4k lines of code
- Implemented high-quality object-oriented programming practices to establish interactions between different characters in the game
- Developed a maze-searching algorithm to find an optimal path from the enemy characters to the user's character, the tunnel man

### Shuf

Language: **Python**

- Built the shuf command from Bash using Python
- Program generates random lines from a given file and outputs them to standard output
- Implemented with command-line options e, i, n, r using argparse in Python

### Randall

Language: **C**

- Program generates random bytes that are sent to standard output
- Implemented with command-line options using getopt in C
- Refactored the program into several .h and .c files
- Created a Makefile to test the program rigorously and compile files separately

## WORK EXPERIENCE

### Private Tutor

**Lake Forest, CA**

*Math Tutor*

*Jun 2022 - Present*

- Developed students' mathematical intuition and honed their critical thinking skills
- Conducted one-on-one sessions to evaluate student progress and understanding of material

### Mathnasium

**Foothill Ranch, CA**

*Instructor*

*Nov 2019- Jun 2020*

- Managed 3-4 students' math curriculum simultaneously and developed their problem-solving skills
- Helped students learn various concepts from basic arithmetic up to calculus

## EXTRACURRICULAR ACTIVITIES

### Bruin Actuarial Society

**Los Angeles, CA**

*Member*

*Sept 2021- Sept 2022*

- Participated in Tenth Annual Case Competition hosted by Liberty Mutual - created a workbook in Microsoft Excel that could accept new data and organize it to support various reserve analyses
- Programmed in VBA

## SKILLS & INTERESTS

**Languages/Technologies:** C, C++, HTML/CSS, Python, Bash, Node.js, Git, JavaScript, TypeScript, Linux