Zeckria Kamrany

Open to Relocation | U.S. Citizen

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EDUCATION

The University of California, Los Angeles **Expected Graduation: June 2025**
Bachelor of Science, Computer Science *GPA: 3.93*

Coursework: Linear Algebra, Introduction to Computer Science I, Introduction to Computer Science II, Introduction to Computer Organization, Software Construction Laboratory

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
- Designed an efficient class hierarchy

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, Linux
Hobbies: Cooking, tutoring, soccer