Raoul Asmar

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EDUCATION

University of Oregon, School of Arts and Sciences **Eugene, OR**
Bachelor of Computer Science June 2027
Minors: Business Administration and Mathematics **GPA**: 3.98

Honors: Dean's List, Minds Move Mountains Scholarship
Relevant Coursework: Linux, C, Data Structures, Linear Algebra, and Discrete Math

EXPERIENCE

Robust Network Solutions **San Mateo, CA**
Junior Engineering/ Help Desk June 2022 – August 2022

- Provided first-line technical support, diagnosing and resolving hardware/software issues to minimize client downtime
- Delivered remote and on-site assistance, guiding clients through technical procedures and solutions
- Streamlined ticketing processes, maintaining accurate records of client support requests and resolutions
- Assisted clients with hardware/software installation and configuration, optimizing IT system performance

Robust Networks Solutions **San Mateo, CA**
Senior Engineering Assistant June 2021 – August 2021

- Assisted in diagnosing and resolving client hardware and software issues, ensuring efficient solutions and minimal downtime
- Maintained accurate support records by managing client requests through a ticketing system
- Supported with hardware and software installations, configurations, and maintenance to optimize system performance
- Contributed to improving client satisfaction through proactive troubleshooting and responsive assistance

PROJECTS

Custom Unix Shell | *C, POSIX, Linux* January 2026

- Built a custom Unix-like shell in C using POSIX system calls, implementing command parsing, process creation (fork), program execution (execvp), and parent–child synchronization with waitpid
- Implemented core shell built-ins (cd, exit, pwd, export, unset) and a modular execution pipeline, demonstrating understanding of shell state management, PATH resolution, and robust error handling

Productivity Chrome Extension (Pomodoro Timer) | *JavaScript, HTML/CSS, Chrome APIs* June 2025

- Developed a Chrome extension implementing the Pomodoro technique using JavaScript and Chrome APIs, featuring background timers, notifications, and persistent state
- Built a responsive, event-driven UI for session tracking, breaks, and productivity insights with modular JavaScript architecture

LEADERSHIP AND INVOLVEMENT

Artificial Intelligence Student Association **Eugene, OR**
Member September 2024 – Present

- Worked with other students on AI and data projects, helping collect, clean, and analyze real datasets and make simple charts to share results
- Participated in workshops and group sessions to learn practical AI concepts and tools through hands-on work

SKILLS AND INTERESTS

- Programing Skills: Python, HTML/CSS, Java, Linux and C
- Technical: Connect Wise, Microsoft Office, GitHub, AI-assisted development (debugging, refactoring, and prototyping)
- Interests: Cooking, Weightlifting, Basketball, Technology, Personal Finance, Reading, and Arts & Crafts