SAVANNAH LUY

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EDUCATION

University of California, Davis   **Davis, CA**
Bachelor of Science, Computer Science, College of Letters & Sciences   *September 2020 – June 2023*

PERSONAL SUMMARY

Full-stack Software Developer, experienced in Rails Development, seeking a Software Engineering role. I bring academic expertise, leadership skills, and hands-on software development and product management experience within a dynamic healthcare environment and am eager to contribute to innovative and impactful software solutions.

SKILLS & INTERESTS

Programming Languages: C, C++, JavaScript, Python, Ruby, SQL, HTML, CSS, ERB,
Frameworks & Libraries: auth0, Bootstrap, DocuSign eSignature SDK, MiniTest, Packwerk, Pundit, Rails, RSpec, Stimulus, Turbo
Technical Tools: bash, Figma, Git, Github, Google Apps Script, HTTP, LaTeX, Linux, Loom, Node.js, PostgreSQL, TablePlus, VSCode
Soft Skills: Adaptability, Communication, Creativity, Critical Thinking, Cross-Functionality, Decision Making, Emotional Intelligence

PROFESSIONAL EXPERIENCE

Health Rosetta   **Remote**
Full-Stack Software Developer, Technical Product Management Intern   *Aug 2022 –Oct 2024*
- Engineered seamless healthcare data export of 16,000+ cells for C-Suite Executives to synthesize the impact of healthcare plan data
- Enhanced user experience by resolving 30 significant UI improvements and bugs, resulting in a 75% improvement in user efficiency
- Implemented a versatile side navigation and executed comprehensive updates for a dynamic header across 250 Rails routes
- Led the evaluation and selection of an eSignature API vendor, fostering effective communication across internal and external stakeholders, crafting detailed user stories and translating API capabilities into actionable product decisions

Women in Computer Science at UC Davis   **Davis, CA**
Co-President   *Jun 2022 – Jun 2023*
- Collaboratively created and presented 30+ workshops and events fostering technical and soft skill development within tech
- Effectively communicated complex technical workshop concepts to diverse audiences, leading groups of 50+ individuals
- Developed a Kanban project management system to boost team productivity, enabling better prioritization of organizational initiatives
- Spearheaded initiatives that enhanced engagement of attendees and led to a 400% increase in member attendance during the year

University of California, Davis, College of Engineering   **Davis, CA**
Developer, Photographer   *Jun 2022 – Feb 2023*
- Automated designs using Adobe Photoshop Scripting, generating 300+ elements and reducing time consumption by over 75%
- Developed bash scripts and Google Apps Script to simplify administrative tasks such as file naming, mail merging, and mass emailing
- Directed groups of 40+ individuals during photo sessions while maintaining a professional brand identity for the college
- Improved team workflow by creating and maintaining comprehensive production expertise guides, documentation, and developer tools

PROJECTS & OUTSIDE EXPERIENCE

Enigma Machine
C++, CMake, macOS Terminal, git/Github, gdb, valgrind
- Replicated Enigma encryption with multi-notch rotors, showcasing meticulous understanding of cryptography principles and ability to problem solve highly technical concepts
- Conducted thorough multi-stage testing and debugging of the encrypted output to ensure quality and accuracy of Enigma machine's functionality

Simple Shell
C, Makefile, macOS Terminal, git/Github, gdb
- Implemented a variety of shell commands with comprehensive utilization of libc functions, syscalls, pipelining, redirection, and advanced string manipulation techniques
- Employed data structs and linked lists to optimized time and memory complexities, particularly for built-in functions