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

Aspiring Software Engineer with a solid foundation in Rails full-stack development, seeking to transition into a full-time software engineering role. I bring academic expertise, leadership skills, and hands-on experience in Technical Product Management within a dynamic healthcare startup 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, LaTeX, MiniTest, Node.js, Packwerk, PostgreSQL, Pundit, Rails, RSpec, Stimulus, Turbo
Technical Skills: bash, Figma, git, Github, Linux, Google Apps Script, HTTP, TablePlus, VSCode
Soft Skills: Adaptability, Communication, Creativity, Cross-Functionality, Decision Making, Emotional Intelligence, Public Speaking

PROFESSIONAL EXPERIENCE

Health Rosetta   **Remote**
Full-Stack Junior Developer, Full-Stack Software Development Intern, Technical Product Management Intern   *Aug 2022 – Present*
- Engineered seamless healthcare data export of 70,000+ fields for C-Suite Executives to synthesize the impact of healthcare plan data, influencing the lives of over 5 million ecosystem individuals
- Enhanced user experience by resolving 30 significant UI improvements and bugs, resulting in a notable 25% increase in user engagement and over 100% improvement in user efficiency
- 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
- Implemented a versatile side navigation and executed comprehensive updates for a dynamic header across 250 Rails routes, demonstrating expertise through rigorous testing and a deep understanding of interconnected Health Rosetta-specific objects

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, engaging with groups of 50+ individuals
- Built kanban project management system to enhance team productivity and relations for providing academic and career mentorship
- Spearheaded initiatives that enhanced engagement of attendees and led to a 100% 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