

Jakob Esperson

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EXPERIENCE

DevOps Engineering Intern

June 2024 - Present

CMG Financial | Roseville, CA

- Developed web portal for DevOps team to streamline feature requests using Angular/Flask and Microsoft Azure APIs to improve feature completion rate by 20%+
- Created update script using VBS scripting to ensure devices stay up-to-date and enrolled in management systems, saving 2+ hours per day
- Configured and supported 1000+ standard laptops to improve efficiency of intake and outtake operations by 50%+

IT Support

June 2023 - Sept 2023

Khatami Law APC | Roseville, CA

- Developed Python script using computer vision to automate naming and transfer of scanned files based on client name, file type, and court status
- Consulted with 50+ total clients on call and in person to ensure clear understanding of tasks between clients and co-workers
- Optimized client database by segmenting current and past clients, improving load times of various integral software by 50%+

PROJECTS

Google Calendar to when2meet

May 2024

Personal Project | [Chrome Store Link](#)

- Used JavaScript, Google OAuth, and Google Calendar API to automatically fill out when2meet forms from calendar
- Designed web scraping techniques and calendar event manipulation to accurately transform data with various options

VirusVision

Feb 2024

SCU Hack for Humanity | Finalist

- Used React and deck.gl to create appealing and easy to use interface for visualization of disease and population data
- Created solutions to work around API malfunctions, relied on cached JSON data and other solutions to maintain display of real-time data

JetStream

Dec 2023

Seattle AWS INRIX Hack | Finalist

- Used React and deck.gl to create interactive 3D map to display points of interest and flight paths based on user input
- Utilized 7 different APIs to gather data that included flight paths, driving and public transit routing and costs, and interactive map elements

INVOLVEMENTS

Vice President

Apr 2023 - Present

Association of Computing Machinery | Santa Clara, CA

- Developed and directed workshops to instruct peers on relevant technologies
- Organized industry professionals to judge hackathon projects for Hack for Humanity 2023 (300+ attended), INRIX Hack 2023 (250+ attended), and Hack for Humanity 2024 (300+ attended)
- Collaborated with faculty and peers to ensure proper funding, constant improvement of weekly meetings, and expand the organization throughout campus

EDUCATION

Santa Clara University | Bachelor of Science in Computer Science and Engineering

Expected June 2026

- **Relevant Coursework:** Advanced Data Structures, Computer Architecture, Object-Oriented Programming, Theory of Algorithms, Calculus and Analytical Geometry
- **Organizations:** Association of Computer Machinery, Theta Tau Engineering Fraternity, Club Baseball

SKILLS

Languages: C/C++, C#, Python, HTML/CSS, JavaScript, SQL, Ruby

Frameworks: Frontend - React, Angular, Vue, TailwindCSS | Backend - SQL, Firebase, Node.js, Flask/Express, REST APIs

Tools: Git, GitHub, Docker, Vercel, Figma, Postman, AWS, Azure, Slack, Trello, Zoom, Linux/Unix, Windows, Powershell

Interests: UI/UX, Machine Learning, Video Game Design, Computer Hardware, Video Editing, Baseball