

Jakob Esperson

(916) 230-4176 • jake.esperson@outlook.com • [linkedin.com/in/jake-esperson](https://www.linkedin.com/in/jake-esperson) • jakeesperson.com

EXPERIENCE

Junior DevOps Engineer

Sept 2024 - Present

CMG Financial | Remote

- Continuing development of web portal to create **sandbox environments** and make infrastructure requests simple for adjacent teams
- Supporting various developer teams in **vetting Dockerfiles**, creating **Terraform pipelines**, and allocating **resources** and setting **permissions** in Azure

DevOps Engineering Intern

June 2024 - Sept 2024

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

EDUCATION

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

Expected June 2026

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

SKILLS

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

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, ADO

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