

# Rickee Vang

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## EDUCATION

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**Bachelor of Science in Software Engineering**, Western Governors University      Expected April 2027  
**Geographic Information Systems Certificate**, American River College      Expected May 2027  
Relevant Coursework: Intro to GIS, Intro to ArcGIS Pro, Cartographic Design, Spatial Analysis & Modeling

## SKILLS

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**Languages:** Python, TypeScript, JavaScript, HTML, CSS  
**Technologies:** React, Supabase, Jest, Git  
**GIS Tools:** ArcGIS Pro, ModelBuilder, GDAL, Leaflet, Google Maps Platform

## EXPERIENCE

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**Software Development Engineer Intern**      December 2025 – Present  
ShareVita      Remote

- Debugged Taskfile and shell scripts to fix local dev environment setup on Linux and macOS
- Reduced redundant Supabase writes via field-level change detection in profile updates
- Extended booking update feature to support multi-date and recurring ride management
- Write comprehensive Jest unit tests achieving 100% coverage to ensure data integrity and reliability
- Follow GitHub workflows, including branching, pull requests, and peer collaborative development

## PROJECTS

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**Sacramento County Fire Infrastructure Analysis** | [github.com/rickeev/fire-infrastructure-coverage](https://github.com/rickeev/fire-infrastructure-coverage)

- Wrote a Python script to query Mapillary's computer vision API, detecting and extracting 35,000+ fire hydrant locations across Sacramento County
- Built an interactive Leaflet map with marker clustering to efficiently render large geospatial datasets

**Northern Virginia Data Center Map** | [github.com/rickeev/nova-data-center-map](https://github.com/rickeev/nova-data-center-map)

- Built an interactive Leaflet web map of 230+ Northern Virginia data centers by collecting data and geocoding it with Python for spatial insights

**Midpoint Restaurant Finder** | [github.com/rickeev/rendezvous-map](https://github.com/rickeev/rendezvous-map)

- Developed a full-stack React and Node.js app using Google Maps APIs to calculate geographic midpoints and display nearby restaurants with caching and API rate limiting

**Discord Message Extractor** | [github.com/rickeev/discord-message-extractor](https://github.com/rickeev/discord-message-extractor)

- Created a Python command line tool to extract and archive Discord conversations, handling complex HTML parsing, thread reconstruction, and date-range filtering for 5 different export formats

## VOLUNTEERING

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**OpenStreetMap Contributor** | [openstreetmap.org/user/rickee2](https://openstreetmap.org/user/rickee2)      May 2025 – July 2025

- Contributed 56,000+ map edits by digitizing geographic features and updating metadata tags