

Rickee Vang

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EDUCATION

Bachelor of Science in Software Engineering, Western Governors University *Expected April 2027*

Geographic Information Systems Certificate, American River College *Expected May 2027*

Relevant Coursework:

- Fall 2025: Intro to GIS, Intro to GIS Software Applications
- Spring 2026: Data Acquisition in GIS, Database Design and Management in GIS, Intro to GIS Programming, Intro to Web-Based GIS Application Development

SKILLS

Languages: Python, JavaScript, HTML, CSS
Frameworks & Libraries: React, Node.js, Express, Leaflet.js
GIS & Mapping: ArcGIS Pro, ArcGIS Online, Google Maps Platform
Version Control: Git

PROJECTS

Rendezvous - Midpoint Finder | github.com/rickeev/rendezvous-map

- Developed full-stack application using React frontend with Node.js and Express backend to handle API requests, implement rate limiting, and process geographic calculations
- Integrated Google Maps Geocoding API and Places API to convert addresses into coordinates, calculate midpoints, and filter for restaurants within 1-mile radius

Northern Virginia Data Center Map | github.com/rickeev/nova-data-center-map

- Built interactive web map visualizing 200+ data centers in Northern Virginia using open-source Leaflet.js library to demonstrate spatial data visualization capabilities
- Collected data center information manually and developed a Python script using Nominatim Geocoding API to transform it into structured GeoJSON format

Discord Message Extractor | github.com/rickeev/discord-message-extractor

- Built Python CLI tool capable of handling 10,000+ Discord messages per second with multi-format export, enabling users to archive and analyze chat history
- Designed filtering system supporting date ranges, keyword searches, and statistical analysis including user activity patterns, message frequency trends, and word count distributions

VOLUNTEER EXPERIENCE

OpenStreetMap Contributor | openstreetmap.org/user/rickee2 *May 2025 – July 2025*

- Contributed 56,000+ map edits including buildings, land use areas, and points of interest
- Updated business, park, and infrastructure tags to improve data accuracy and quality