Rickee Vang

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OBJECTIVE

Aspiring software engineer with a strong interest in web development and geospatial technologies. Experienced in building interactive dashboards and web maps to visualize public data. Contributing to open-source mapping through OpenStreetMap and will be pursuing GIS coursework to deepen spatial analysis skills. Eager to apply technical and analytical skills in a software or GIS-focused role.

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML, CSS
Tools: React, Node.js, Express, Git
Mapping: Google Maps Platform, Leaflet.js

PERSONAL PROJECTS

Rendezvous - Midpoint Finder | GitHub: rickeev/rendezvous-map
- Technologies: React, JavaScript, HTML, CSS, Node.js, Express, Google Maps Platform
- Developed a map-based web application using Google Maps Platform APIs that calculates the midpoint between two addresses and suggests nearby open restaurants within a 1-mile radius.
- Integrated Maps Geocoding API to convert addresses into geographic coordinates.
- Queried Places API to fetch real-time open places near the midpoint.

Sacramento Public Health Data Dashboard
- Technologies: React, JavaScript, Tailwind CSS, Recharts
- Built an interactive analytics dashboard processing 5,000+ drug death records from Sacramento County's public datasets.
- Created responsive data visualizations including trend analysis, demographic breakdowns, and geographic distribution charts.

Northern Virginia Data Center Map | GitHub: rickeev/nova-data-center-map
- Technologies: Python, JavaScript, HTML, CSS, Leaflet.js
- Collected and processed geographic data of 200+ data centers in Northern Virginia using Nominatim's Geocoding API.
- Wrote a Python script to convert raw text data into structured GeoJSON format via the Nominatim Geocoding API, which leverages OpenStreetMap data.

Sports Mascot Database | GitHub: rickeev/mascot-search
- Technologies: React, JavaScript, HTML, CSS
- Built a web application allowing users to search through a database of sports mascots.

VOLUNTEER EXPERIENCE

OpenStreetMap Contributor | openstreetmap.org/user/rickee2   *May 2025 – Present*
- Help digitize geographic features with aerial imagery and update tags using local knowledge.

EDUCATION

Bachelor of Science in Software Engineering, Western Governors University   *Expected April 2027*
Certificate in Geographic Information Systems, American River College   *Expected May 2027*