Ruby Engelhart

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Experience

University at Albany — Albany, NY
Supplemental Instructor — Aug 2025 - Present

- Instruct 20+ college students in Calclus 1 and 2, preparing extensive lesson plans to support and improve the educational outcome of the class as a whole.

State Voices — Remote
Software Engineer — June 2023 - December 2024

- •Collaborated in the development and maintenance of Spoke, a React web application, to improve user experience and performance.
- •Lead and developed a cross platform opt-in and opt-out service, crucial to FEC compliance, with 100% test coverage using Jest.
- •Played a pivotal role in upgrading Spoke from NodeV16 to NodeV20 and integrating new technologies to enhance application performance and capability.
- •Designed and executed a front-end prototype of a web application, showcasing rebranding efforts before full implementation.

United Today, Stronger Tomorrow — Spearfish, SD
Organizer — October 2021 - December 2022

- United Today, Stronger Tomorrow engages in advocacy efforts aimed at fostering equitable solutions and enhancing civic participation among local citizens.
- Analyzed data trends to refine campaign strategies, resulting in a 50% increase in engagement and retention rates.
- Designed interactive dashboards to visualize data trends, allowing for real-time decision making and improved campaign targeting, lending to the success of several on the ground campaigns.

Projects

Cerebral — https://github.com/CerebralLabs/cerebral
A Roblox Player State Management. Simplifies the handling of player data, from the database, to in-game, and back, with the goal of making the development of Roblox games more accessible.

Mangle — https://github.com/CerebralLabs/mangle
Inspired by Python's name mangler, making variables private by naming convention. Designed to manage the complexity of large projects in Luau.

Pantheon — https://github.com/coal-rock/Pantheon
A Command and Control Adversary Emulation Framework written in Rust. Working with a small team, this tool helps organize security testing.

Skills

Java, JavaScript, TypeScript, Python, Rust, SQL, Lua, Node, pm2, React JS, Docker, Linux:

Awards

IEEE U Albany Hackathon | 2nd Place
•In a 24 hour hackathon, my team and I built a web application called "LaTeX TuTor" that helps users learn LaTeX, a typesetting system. — February 2025

Education

Black Hills State University — Spearfish, SD
BS Political Science *GPA: 3.8* — 2018 - 2022

University at Albany — Albany, NY
BS Computer Science — 2024 - Projected Fall 2026