

David Parrott

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EDUCATION

Brigham Young University

Bachelor of Science, Computer Science

Provo, UT

April 2024

- Cumulative GPA: 3.61
- Relevant Coursework: Data Structures and Algorithms, Web Programming, Database Modeling, Systems Programming, Computer Security, Data Science, Computer Vision

EXPERIENCE

Backend Developer

BYU Law School IT

May 2023–May 2024

Provo, UT

- Rapidly iterated on greenfield Node.js REST backend
- Collaborated with other developers to align on project design specifications
- Managed infrastructure-as-code configurations and deployments
- Refactored legacy code to improve performance and future maintainability

Teaching Assistant

BYU Computer Science

September 2021–May 2023

Provo, UT

- Mentored other students in C, x86 assembly, and other systems programming topics
- Reduced grading time by ~80% through automating project grading and testing

PROJECTS

CHIP-8 Emulator:

- Software Emulator of the CHIP-8 system written with Rust and SDL

Android Twitter Clone:

- Native Java client with a scaling AWS backend using Lambda, S3, SQS, and DynamoDB

Datalog Interpreter:

- A Datalog lexer, parser, and optimizing interpreter for written in C++

SKILLS

Programming Languages:

Golang, Lua, Python, Rust, C, C++, Javascript, SQL, Bash, Java, HTML/CSS

Technologies and Frameworks:

Node.js, React.js, Docker, Solid.js, AWS (Lambda, S3, ECC, DynamoDB), Flask, REST APIs