Joseph Henley Rock

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Education

University of Virginia Class of 2022 | Charlottesville, VA
- Majors: Computer Science, Mathematics
- Overall GPA: 3.787, Computer Science GPA: 3.974, Mathematics GPA: 3.697

Work Experience

Capital One | Technical Intern   **June 2021 – August 2021**
- Worked in an agile team on an internal application that assists with the automation of feedback for application deployment and feature integration
- Subject Matter Expert on Express/Node.js back end and PostgreSQL/Serialize database

Montel Technologies | Web Developer   **May 2020 – January 2021**
- Developed web applications for surveillance technology
- Front end development using Vue.js and back end development using Node.js
- Created a Video Management System using the Google Maps API

Projects

Personal Website | joerock.dev   **June 2020 – Present**
- Built front end of website using Vue.js
- Utilizes Cloudflare for domain name services and an AWS EC2 instance to host website

Landmarker | landmarkergame.com   **June 2022 – July 2022**
- Created a game with the React.js framework
- Tests knowledge of geography and landmarks with Three.js plugin

Speed Miner | speedminer.joerock.dev   **December 2021 – January 2022**
- Created a game with the Vue.js framework for the front end and Node.js for the back end
- Uses Mongodb to provide global leaderboards and an AWS EC2 instance to host website

Blue 2 Red | blue2red.joerock.dev   **June 2020 – July 2020**
- Uses same software and technologies as Speed Miner

Programming

Languages
- Python (2 years experience), Javascript (2 years experience), Java (prior experience), C++ (2 years experience), C (1 year experience), Typescript (1 year experience), Mathematica (prior experience), Go (prior experience)

Tools and Frameworks
- Vue.js (2 years experience), Node.js (2 years experience), Express (2 years experience), Git (2 years experience), React.js (prior experience), Jenkins (prior experience), Docker (prior experience), Sequelize (prior experience), MongoDB (prior experience), PostgreSQL (prior experience)

Relevant Coursework

- Program & Data Representation, Algorithms, Database Systems, Machine Learning, Cloud Computing, Computer Architecture, Theory of Computation, Software Development Methods, Linear Algebra, Mathematics of Derivative Securities, Probability, Numerical Analysis, Cryptocurrency, Data Science with Python