Joseph Henley Rock

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Education

University of Virginia Class of 2022 | Charlottesville, VA
- Major: Computer Science, Mathematics
- Overall GPA: 3.770, Computer Science GPA: 4.000, Mathematics GPA: 3.583

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
- Cloudflare for domain name services and an AWS EC2 instance to host website

Speed Miner | speedminer.joerock.dev   **December 2021 – January 2022**
- Created a game for leisure, uses Vue.js for front end and Node.js for 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)

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

Relevant Coursework

- Program & Data Representation, Algorithms, Machine Learning, Cloud Computing, Computer Architecture, Theory of Computation, Software Development Methods, Linear Algebra, Mathematics of Derivative Securities, Probability

Community Service

ICNA Soup Kitchen | Rockford, IL   **September 2018 – Present**
- Prepare and serve food to impoverished people in Rockford
- Made long-lasting connections in the professional community

CODERS | Capital One   **July 2021**
- Taught HTML and CSS to 4th and 5th Graders
- Used Glitch to assist students with making their own website