

Joseph Henley Rock

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Education

University of Virginia Class of 2022 | Charlottesville, VA

- Major: Computer Science, Mathematics
- Overall GPA: 3.789, Computer Science GPA: 4.000, Mathematics GPA: 3.700

Work Experience

Capital One | Technical Intern

June 2021 – Present

- Working 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

Blue 2 Red | blue2red.joerock.dev

June 2020 – July 2020

- 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

Programming

Languages

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

Tools and Frameworks

- Vue.js (2 years experience), Node.js (2 years experience), Express (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, 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

Charlottesville Area Tree Stewards | Charlottesville, VA

September 2019 – March 2020

- Take care of the local environment by removing invasive species