Brian Baugher

540-940-9807 | bdb7hq@virginia.edu | brian-baugher.github.io
US Citizen | Eagle Scout

Education

University of Virginia, Charlottesville, VA   **August 2021 - May 2025**
Candidate for Bachelor of Arts in Computer Science
- 4.0 in-major GPA
- 3.95 cumulative GPA

Riverbend High School, Spotsylvania, VA   **August 2016 - May 2020**

Technical Skills

Languages: Java, Javascript, Python, C, HTML, CSS, x86-64 Assembly, LaTeX, SQL
Technologies: React, Recoil, Git, Gradle, npm, Firebase, Relational Databases

Work Experience

Mathesis Technology, Charlottesville, VA   **May 2023 - Present**
Full Stack Web Development Intern
- Develop math learning web application, piloted in select UVA classes, serving over 100 students
- Leverage React.js to build dynamic front-end with libraries such as Cytoscape.js, Recoil, and React-Router
- Integrate application with Firebase as a backend solution, using features such as Firebase Auth and Hosting
- Impacted high-level design decisions in fast-paced, agile based, startup environment

University of Virginia, Charlottesville, VA   **January 2023 - May 2023**
Undergraduate Teaching Assistant - Lab Lead
- Course: CS 2130 - Computer Systems and Organization 1 (C/Assembly/Git)
- Facilitate weekly labs of 85 students and promote success in solving complex problems; Cooperate with other TAs to grade work of 500 students weekly; Hold weekly office hours for students seeking extra help on homework, labs, and any course concepts

Self Employed, Spotsylvania, Virginia   **May 2021 - August 2022**
Computer Parts Resale
- Garnered upwards of 5000 USD in revenue while being the sole contributor; Handled inventory, distribution, and sales; Achieved high customer ratings on all storefronts while still fulfilling role at Wilderness Presidential Resort

Wilderness Presidential Resort, Spotsylvania, VA   **May 2018 - August 2022**
Adventure Course Manager (2021- 2022)
- Created a healthy work environment in collaboration with 3 other department heads for 15 employees while managing scheduling and training; Ensured workplace safety in a high stakes position and held equipment and staff to OSHA, VOSH, and ACCT standards

Projects

Jefferson Consulting Group - SvelteKit Website   **July 2023 - Present**
- Develop website for corporate-backed consulting group at UVA with SvelteKit and TypeScript, hosted on Netlify with GitHub integration for CI/CD workflow. Emphasis on best practices and mobile compatibility throughout

2023 BitCamp Hackathon - Django Application   **April 2023**
- Built Django application as first web dev project in under 36 hours with team of 3. Uses a distributed, serverless database system, CockroachDB, to handle all user data securely and efficiently
- Crafted front-end using primarily Bootstrap HTML for a full-featured dynamic website. Leveraged Auth0 to allow users to log in and access personal information/tasks - includes friends system with live feed updates

Relevant Coursework

Fall 2023: Software Engineering, Advanced Computer Systems and Organization
Second Year: Software Development Essentials, Advanced Algorithms, Computer Systems and Organization, Discrete Math
First Year: Data Structures and Algorithm Design, Introduction to Programming