Brian Baugher

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US Citizen | Eagle Scout

Education

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

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

Work Experience

Yext, Washington, DC   **May 2024 - August 2024**
Software Engineer Intern
- Spearheaded rework of front-end data handling, enabling completion of 8+ user stories demoed to stakeholders
- Shipped full stack features across numerous services, leveraging React, custom component libraries, Go, and gRPC
- Collaborated with PM, UX lead, and three 10-person teams to deliver production code for enterprise clients
- Created and documented open source library, accelerating development and adoption of the new Pages Visual Editor

Mathesis Technology, Charlottesville, VA   **May 2023 - September 2023**
Full Stack Web Development Intern
- Developed math learning web application, piloted in select UVA classes, serving over 100 students
- Leveraged React.js to forge dynamic front-end with libraries such as Cytoscape.js, Recoil, and React-Router
- Impacted high-level design decisions in fast-paced, agile based, startup environment

University of Virginia, Charlottesville, VA   **January 2023 - May 2024**
Undergraduate Teaching Assistant (Spring 2024)
- Course: CS 3140 - Software Engineering (Django)
- Led 2 teams of 6 students throughout the semester as a product manager in an agile framework. Assisted students with technical and team-related issues 4 hours each week. Graded 400+ questions on SWE methods.

Undergraduate Teaching Assistant - Lab Lead (Spring 2023)
- Course: CS 2130 - Computer Systems and Organization 1 (C/Assembly/Git)
- Facilitated weekly labs of 85 students and promoted success in complex problems; Cooperated with other TAs to grade work of 500 students weekly; Held weekly office hours to help students on homework, labs, and concepts

Technical Skills

Languages: Java, Javascript, Python, C, Golang, HTML, CSS, x86-64 Assembly, LaTeX, SQL
Technologies: React, React-Query, gRPC, Jira, Git, build systems, package managers, component libraries

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 2024: Internet Scale Applications, Cybersecurity Fundamentals
Third Year: Software Engineering, Advanced Computer Systems and Organization, Cryptocurrency, Theory of Computation
Second Year: Software Development Essentials, Advanced Algorithms, Computer Systems and Organization, Discrete Math
First Year: Data Structures and Algorithm Design, Introduction to Programming