

# Brian Baugher

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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

## Relevant Coursework

Fall 2023: Cybersecurity Fundamentals, 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

## Technical Skills

Languages: Javascript, Java, 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

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

Jefferson Consulting Group - SvelteKit Website

July 2023 - Present

- Develop website for corporate-backed consulting group at UVA with SvelteKit, hosted on Netlify with GitHub integration for CI/CD workflow. Emphasis on best practices and mobile compatibility throughout