

Blake Marterella

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EDUCATION

Virginia Tech

Bachelor of Science: Computer Science

Blacksburg, VA

August 2021 – May 2025

RELEVANT EXPERIENCE

Yext

May 2024 – August 2024

Software Engineering Intern

Washington D.C.

- Developed budget proposals, collaborating with the student government team to plan major school events.
- Organized and led fundraising events, **raising over \$5,000** for school activities and projects.
- Managed the student government budget, ensuring accurate tracking and allocation of funds.

Docsnap

May 2023 – May 2024

Product Development Engineering Intern

Remote

- Optimized backend to **decrease AWS monthly costs by 55%** and **save 1.7 GB SQL** storage by implementing new API
- Documented over 90 Endpoints in Postman**, refactored Xamarin app to use Swift, and **increase performance by 72%**
- Generated test data, use cases, and delivered product demonstrations for investor meetings to close **\$100,000 in funding**
- Worked alongside the C-suite to develop **6-month technical roadmap** to increase security, reduce cost, and streamline GTM strategy

Recursion Tech LLC

May 2023 – Present

Founder and CEO

Haymarket, VA

- Founded IT consulting firm specializing in full-stack product development, working with 2 partners.
- Developed scalable e-commerce website with Angular, Stripe CLI, and API to **serve 100+ customers** and drive **over \$5,000 in sales**
- Developed 6-stage design process to ensure client satisfaction and streamline software development lifecycle.

Stratizant

August 2022 – January 2023

Software Engineering Intern, Full-Stack Software Engineer

Remote

- Refactored and improved legacy code to improve SaaS' Google Lighthouse Score by 107%
- Improved operation efficiency by implementing Terraform to automate GCP deployment and management
- Designed 3 phase migration plan to revitalize legacy project and created 100+ epics/stories to execute migration
- Emphasized test driven development by writing 20+ frontend and backend tests automatically executed in Bitbucket CI/CD pipeline
- Implemented and automated weekly vulnerability scans to prevent 15 high-severity vulnerabilities in client-facing application

LEADERSHIP EXPERIENCE

CS Careers @ VT

January 2023 – Present

Vice President

Blacksburg, VA

- Cultivated a vibrant professional community of **1,000+ VT students** and vast alumni network
- Led a team of 13 officers and collaborated with CS Department to organize 8+ events, workshops, and speakers per semester
- Fostered industry connections, organized impactful workshops and company events, to contribute to our goal of 51% of non-graduating members obtaining internships.

Triangle Fraternity at Virginia Tech

June 2022 – August 2023

Founding Historian and Lead Developer

Blacksburg, VA

- Developed RESTful API with Flask and Firestore to store information on 62 members to streamline development and future fraternity projects.
- Lead a cross-functional team of 5 developers in creating a SaaS platform to centralize fraternity operations and improve communication.

CERTIFICATIONS

AWS Cloud Practitioner, Amazon Web Services

January 2022

Database Specialist, C.S.C., Northern Virginia Community College

June 2021

SKILLS & INTERESTS

Programming: Java, Javascript (Typescript, Node, Angular, React), Python, SQL, Terraform, C, Ruby, Swift

Software: Apache Airflow, gRPC, Flask, Snowflake, Stripe CLI

Devops: GCP, AWS, Firebase, Docker, CI/CD Pipelines, TeamCity, Nomad, Sentry