

# Blake Marterella

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## EDUCATION

### Virginia Tech

*Bachelor of Science: Computer Science*

August 2021 – May 2025

*Blacksburg, VA*

## RELEVANT EXPERIENCE

### Yext

May 2024 – August 2024

*Software Engineering Intern*

*Washington D.C.*

- Created testing and code coverage utility for employees to increase code quality and increase testing efficiency by 82%
- Pioneered and documented new code pattern for 5 RPC endpoints to generate organic insights from customer reviews
- Implemented Apache Airflow DAG for multi-cloud data sync from MySQL to Snowflake across AWS and Azure
- Created new UI for customers to view review themes using ReactJS and create new themes using RPC endpoints
- Optimized SFTP review invitation generation, reduced time to generate 1,000 invitations by 8.57 seconds, saving 9.5 hours
- Full-stack development including testing, deploying, and developing code for frontend, RPC endpoints, and database

### 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 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

### Recurson Tech LLC

May 2023 – Present

*Founder and CEO*

*Haymarket, VA*

- Founded IT consulting firm specializing in full-stack product development, working with 2 partners and 3 clients
- Developed e-commerce platform in AngularJS to serve 100+ customers, drive \$5,000 in sales, and automate order processing
- 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, ran in Bitbucket CI/CD pipeline
- Implemented and automated weekly vulnerability scans to prevent 15 high-severity vulnerabilities in client-facing application

### Safeguard Cyber

March 2020 – June 2020

*Data and Analytics Intern*

*Remote*

- Identified outdated processes while working for the vice president of global accounts and learned about the sales process
- Designed an application to aggregate, clean, and format data from B2B databases, generating 1,100 sales prospects/minute

## LEADERSHIP EXPERIENCE

### CS Careers @ VT

January 2023 – Present

*Vice President*

*Blacksburg, VA*

- Cultivated a vibrant professional community of 1,000+ VT students, 20+ alumni, and 10+ recruiters
- Led a team of 13 officers and collaborated with CS Department to organize 8+ events, workshops, and speakers per semester
- Fostered industry connections to contribute to our goal of 51% of non-graduating members obtaining internships.
- Developed best-practices for internal operations, including semester-long roadmaps, organization system, and OKRs

### 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
- Lead 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, Swift

**Software:** Apache Airflow, gRPC, Flask, Snowflake, MySQL, Stripe CLI, TailwindCSS

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