

Blake Marterella

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EDUCATION

Virginia Tech

Bachelor of Science: Computer Science, Minor in Mathematics

Blacksburg, VA

August 2021 - May 2025

Northern Virginia Community College

Certification in Information System Technology: Database Specialist, C.S.C

Manassas, VA

August 2018 - May 2021

CERTIFICATIONS

- **Amazon Web Services**, Cloud Practitioner Certification January 2022
 - **Northern Virginia Community College**, Database Specialist, C.S.C June 2021
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RELEVANT EXPERIENCE

Docsnap

Product Development Engineer Intern

May 2023 - Present

Skills: Salesforce, Xamarin, OpenVPN, AWS, SQL Server, Swift, Figma, Postman, X-Code, Asana, Jira

- Optimized backend to **decrease AWS monthly costs by 55%** and **save 1.7 GB SQL storage** by implementing new API
- **Documented over 90 API endpoints**, refactored Xamarin app in Swift, and **increased performance by 72%**
- Generated test data, use-cases, and delivered product demonstrations for meetings to **close over \$100,000**
- Working alongside the C-Suite to develop **6-month technical roadmap** to increase security, reduce cost, and improve UX

Recursion Tech LLC

Founder and CEO

May 2023 - Present

Skills: VueJS, NodeJS, MongoDB, Github Actions, Jira, TailwindCSS, Stripe API, Firestore, Cloud Functions

- Created a **6-stage robust design process** to fulfill the needs of customers
- **Developed e-commerce website** to streamline business processes such as inventory, payment, email-list, promo codes, etc

Stratizant

Software Engineer

August 2022 - January 2023

Software Developer Intern

May 2022 - August 2022

Skills: AngularJS, Docker, Terraform, Typescript, API, Jira, GCP, VertexAI, Python, Flask, Bitbucket CI/CD

- Refactored and optimized legacy code to improve our SaaS's Google Lighthouse performance **score by 107%**
- Improved operational efficiency by automating GCP management and deployment with Terraform
- Designed a **3 phase migration plan** to revitalize legacy project and **created 100+ epics/stories** to execute migration
- Emphasized test driven development by writing and **automating 20+ frontend and backend tests** in CI/CD pipeline
- Implemented and automated **weekly vulnerability scans** to prevent over **15 high-severity vulnerabilities**

SafeGuard Cyber

Data and Analytics Intern

March 2020 - June 2020

Skills: Java, Apache NetBeans, Salesforce, Python, Selenium

- **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 **1100 sales prospects/minute**
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LEADERSHIP EXPERIENCE

CS Careers @ Virginia Tech, Vice President

January 2023 - Present

- Cultivated a vibrant professional network of **500 + CS students** and alumni **within 8 months**.
- Fostered industry connections, organized impactful workshops and events with companies, which contributed to exceeding our goal with **51%** of our non-graduating members obtaining internships

Triangle Fraternity for STEM Majors at Virginia Tech, Founding Historian

June 2022 - Present

- **Developed RESTful API** to store information on 62 members to streamline development of future fraternity projects
 - **Lead a cross-functional team of 5 developers** in creating a SaaS platform to centralize fraternal information
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SKILLS

Programming: Java, Javascript (NodeJS, Typescript, AngularJS, VueJS), Python, Docker, Terraform, C, Matlab, HTML, TailwindCSS & SCSS, SQL, Bitbucket Pipeline, Github Actions, Swift, X-Code, Assembly

Software: GCP, AWS, Firebase, Bitbucket, Github, Gitlab, Linux, Jira, Salesforce, Notion, Asana, Postman, Figma