ALEXANDER R. AUSTIN

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EDUCATION

Virginia Polytechnic Institute and State University
BS, Computer Science, Computational Modeling & Data Analytics, Minor in Mathematics

Blacksburg, VA
2019 – May 2024

- ***Cumulative GPA:*** 3.20

PROJECTS & EXPERIENCE

Kentik — Remote
Software Engineering Intern — May – August '23

Applied software engineering and data science expertise to optimize network observability solutions for Fortune 500 industry leaders at Kentik. Specialized in React JS and Golang, contributing to projects enhancing network data analysis and visualization. This hands-on experience in real-world software development, Agile methodologies, and DevOps practices has significantly shaped my technical proficiency and growth.

Computational Modeling & Data Analytics Capstone — Blacksburg, VA
Project Team Lead — August – December '23

Led a team in automating additive manufacturing auditing processes for Boeing engineers. Utilized cutting-edge technologies like OpenAI's GPT models and Pinecone's vector database to develop a web application showcasing the potential of Large Language Models (LLMs) in task automation. Addressed ethical considerations and navigated project direction within a high-risk aerospace environment. Resulted in insights for Boeing and broader applications of AI in regulatory compliance and quality assurance.

Google Developer Student Club — Blacksburg, VA
Web Development Lead — August '20 – December '22

Helped lead and develop multiple web projects for the club, experiences including developing web scrapers for pulling live product data from major manufacturers (Dell, HP, Lenovo, etc.), utilizing machine learning for tailored student device recommendations, building administrative dashboards for non-profit organizations.

Freelance — St. Petersburg, FL
Web Developer — February – August '19

A paid full-stack developer role where I was solely responsible for designing and developing a website. Worked with a catering business based in Houston, Texas to aid in their ability to provide a streamline ordering experience for their clients.

Lakewood Highschool (CAT) — St. Petersburg, FL
Pinellas County Software Network Assistant — Summer '18 / Summer '19

A full-stack development position focused on enhancing system stability for the Pinellas County Hurricane Shelter Website using Microsoft SharePoint. This vital website facilitates county-wide coordination during natural disasters like hurricanes and extreme flooding events.

Freelance — Remote
Game Developer — Dec '16 - Present

I develop Java modifications for popular games, adding gameplay features and management tools for servers/clients. With thousands of downloads for some resources, my work has fostered a dedicated community of nearly a hundred individuals who contribute by testing, forking, and managing my open-source projects.

Army Virginia National Guard — Cedar Bluff, VA
91B Specialist — February '20 – Current

Being in the Army National Guard has taught me essential team-bonding exercises while tackling stressful or seemingly impossible situations. As a 91B, E-4 in the Army Ordnance I hold a SECRET Security Clearance.

CERTIFICATIONS & HONORS

Virginia Tech Orion Living Learning Community — Blacksburg, VA
Peer Mentor — August – May '21

As a mentor, I was tasked in helping a group of Virginia Tech freshman in their transition into the university and ensuring their academic success. Helped develop and manage events for the community.

Microsoft Certification — St. Petersburg, FL
Software Development Fundamentals (MTA) — May 2017