

Griffin C. Moran

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SUMMARY

Computer Science student with a track record of delivering functional solutions across web and ML domains. Seeking roles in product engineering or applied ML to leverage my technical expertise and problem-solving skills.

EDUCATION

Virginia Tech

Master of Engineering in Computer Science and Applications
Concentration in Data Analytics and Artificial Intelligence

Alexandria, VA

Expected: December 2027

James Madison University

Bachelor of Science in Computer Science

Harrisonburg, VA

Expected: May 2026

Awards

Major GPA: 3.76/4.00

- President's List – Fall 2024
- Dean's List – Spring 2023, Fall 2023, Spring 2024, Spring 2025, Fall 2025

Relevant Coursework

- Data Structures and Algorithms, Software Engineering, Computer Systems I & II, Programming Languages, Operating Systems, Intro to Autonomous Robots

SOFTWARE ENGINEERING EXPERIENCE

Skills

- **Programming Languages** – Java, Python, C, JavaScript, Ruby, Haskell, Rust, R
- **Machine Learning** – Natural Language Processing, Scikit-learn, TensorFlow
- **Statistics and Analysis** – Microsoft Excel, NumPy, Matplotlib, SPSS, PANDAS
- **Other** – Agile Development, CSS, EC2, Git, HTML, Linux, ROS2

Projects

- **Zeta Rescue** (Python/ROS2) – Engineered an autonomous system using frame transformations and proximity-based filtering to map and image unique targets in an unknown environment, achieving a 75% detection rate and returning to base within a strict five-minute limit
- **Application Email Processor** (Python) – Built an NLP-based tool using Gmail API to automatically scan and classify internship status emails, handling over 100 emails with 90% accuracy
- **TUI-Sheets** (Ruby) – Collaborated with a partner to create a text-based spreadsheet app using a custom parsing engine to evaluate user-entered formulas
- **Interpr86** (C) – Designed a Y86 interpreter that parsed Mini-ELF binaries and visually stepped through machine-level instructions

WORK EXPERIENCE

DMI (Digital Management, LLC)

Tysons Corner, VA

Digital Marketing Intern

Jun 2025 – Aug 2025

- Leveraged AI to analyze current MMS representation, identifying key gaps, areas for improvement, and strategic opportunities; presented strategy insights to executives and was later requested by the CEO for wider sharing across the company
- Built a webhook-based SmartLead to HubSpot integration to track campaign engagement, such as email responses, automatically updating upwards of 2000 contact properties per month
- Designed 6Sense – HubSpot API integration plan to automate migration of intent data for over 1000 new and existing contacts; led to multiple meetings with vendor regarding native solution support

Business Operations Intern

May 2024 – Aug 2024

- Analyzed over 6,000 sales contacts using pivot tables and Power Query to find trends across verticals
- Presented findings to leadership to inform contract strategy and sales prioritization