Gabriel Gladstone

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EDUCATION

University of Virginia
Charlottesville, VA

Bachelor of Science, Computer Engineering, GPA 3.93
Expected May 2025

Master of Engineering, Computer Engineering, GPA 3.9
Expected Dec 2025

ACHIEVEMENTS AND SKILLS

Relevant Coursework: Data Structures I-II, Computer Systems I-II, Computer Architecture, Embedded Systems
Certifications: AWS Certified Cloud Practitioner, Fannie Mae AI Acumen in Housing Finance Industry
Achievements: Tau Beta Pi Engineering Honor Society, The Raven Society, Peeler Fellowship, Deans List
Languages: Java, C, C++, Assembly, Python, Matlab, Powershell, React.js, HTML, JavaScript, SQL
Tools: Linux, Azure AD, ROS2, PCB Design/Assembly, KiCad, Git, Wireshark, Arduino, TI MSP432, PowerBI, Alteryx

EXPERIENCE

Software Engineer Intern at Freddie Mac
May 2024 – Aug 2024

Enterprise Operations and Technology - Modern Delivery Toolchain Team
McLean, VA

- Built a metrics website using Java Spring Boot to track 2,000+ services that use the modern deployment pipeline.
- Jira Administrator improving Jira UI/UX through client meetings and designing ScriptRunner Groovy solutions.

Information Security Engineer Intern at Mastercard
Jun 2023 – Aug 2023

Emerging Corporate Security Solutions - Modern Access Team
Arlington, VA

- Automated a Modern Access metric dashboard using Domo to cut reporting time by 10 hrs/month.
- Integrated Log Analytics API into the data pipeline to reduce BI data intake by 99%.
- Leveraged the Scrum framework to meet project goals following Zero Trust principles.
- Pitched a blockchain-based student budgeting tool and placed 3rd in the Global Intern Innovation Challenge.

Undergraduate Research Assistant
Nov 2021 – May 2022

Scully Research Group
Charlottesville, VA

- Improved the metallographic sample preparation process to decrease supply usage while maintaining quality.
- Performed a half-dozen Electrochemical Impedance Spectroscopy tests to characterize corrosion of molten salts.
- Researched and conducted a literature review on the relevance of double layer capacitance to corrosion science.

Project Manager
Aug 2023 - May 2024

Tamid Group at UVA
Charlottesville, VA

- Led a team of 6 consultants in recommending a foreign market expansion strategy for Maia Digital.
- Created a scalable automation tool with generative AI that reduced workload by 20 hours for Vegan Friendly.

Collegiate Cyber Defense Competition Team Member
Aug 2021 – Present

Cyber Network Security Club at UVA
Charlottesville, VA

- Configured Graylog monitoring and firewall protections to protect 7 VMs on a network.
- Authored security memos encompassing incident alerts, vulnerability assessments, and policy updates.
- Applied networking, cryptography, and forensic fundamentals to compete in capture the flag competitions.

Power and Hardware Integration Team Member
Aug 2021 – Aug 2023

Solar Car Club at UVA
Charlottesville, VA

- Led project to design and create six waterproof printed PCB enclosures using Fusion 360.
- Created a testing procedure to standardize testing the voltages of over two hundred battery cells.
- Contributed to the design of the battery box modules using Autodesk CFD's fluid dynamic software as guidance.

Teaching Assistant
Aug 2023 – Dec 2023

Computer Systems and Organization 2
Charlottesville, VA

- Supported over 300 students with C/Assembly code reviews, daily Q/A, and weekly office hours.

PROJECTS

Contributor, Spectrum Analyzer Holiday Light Show 📄 | *Matlab, Waveforms, Multisim, Ultiboard*
- Designed, validated, tested, assembled, and debugged a multicomponent frequency-driven system.
- Implemented a sub-system for scale that was 5x cheaper then standard architecture.

Embedded Developer, Cube Chaser 📄 📄 | *Tiva C Microcontroller, Educational BoosterPack MKII*
- Designed an operating system for a multi-threaded game on the Tiva C microcontroller.
- Integrated sound and accelerometer sensors following industry standard documentation to improve user feedback.