

Gabriel Gladstone

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EDUCATION

University of Virginia

Bachelor of Science, Computer Engineering, GPA 3.93
Master of Engineering, Computer Engineering

Charlottesville, VA

Expected May 2025

Expected Dec 2025

EXPERIENCE

Software Engineer Intern at Freddie Mac

May 2024 – Present

Enterprise Operations and Technology - Modern Delivery Toolchain Team

McLean, VA

- Contributing to the support of over 6,000 developers deploying applications on an integrated platform.
- Jira Administrator building process automation and improving UI/UX through Groovy scripts and built-in tools.

Information Security Engineer Intern at Mastercard

Jun 2023 – August 2023

Emerging Corporate Security Solutions - Modern Access Team

Arlington, VA

- Automated a Modern Access metric dashboard using Domo to reduce 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

August 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 multi-component frequency-driven system.
- Implemented a sub-system for scale that was 5x cheaper than 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.

ACHIEVEMENTS AND SKILLS

Achievements: The Raven Society, Deans List 2021-2023, School Finalist - American Computer Science League

Languages: Java, C, C++, Assembly, Python, Matlab, Powershell, React.js, HTML, JavaScript, SQL

Tools: Linux, AzureAD, Bash, PCB Design/Assembly, KiCad, Git, Wireshark, Arduino, TI MSP432, PowerBI, Alteryx