

Gabriel Gladstone

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EDUCATION

University of Virginia

Bachelor of Science, Computer Engineering, GPA 3.93

Charlottesville, VA

Expected May 2025

EXPERIENCE

Information Security Engineer Intern at Mastercard

Jun 2023 – August 2023

Emerging Corporate Security Solutions

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 corrosive behavior of molten salts contributing to the FUTURE Energy Frontier Research Center.
- 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 – Present

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.
- Wired, soldered, and assembled hundreds of battery cells to be used as the main power source for the solar car.

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.
- Applied circuit and frequency analysis fundamentals to efficiently troubleshoot a multivariable system.

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.
- Created and verified a random number generator library to improve replayability.

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