

# Gabriel Gladstone

703-336-3710 | [zwy7ce@virginia.edu](mailto:zwy7ce@virginia.edu) |  | 

## EDUCATION

### University of Virginia

*Bachelor of Science, Computer Engineering, GPA 3.93*

Charlottesville, VA

*Expected May 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.

### 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 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.

### 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