Gavin Ricks

Atlanta, GA | meetgavinricks@gmail.com | linkedin.com/in/gavin-ricks-02a120320 | github.com/gavin-ricks | gavinricks.com

EDUCATION

Morehouse College | Atlanta, GA **Expected Graduation May 2029**
B.S. in Computer Science | 4.0 GPA

Georgia Institute of Technology | Atlanta, GA **Anticipated Transfer Fall 2029 | Expected Graduation May 2031**
B.S in Computer Engineering (Dual Degree Engineering Program)

TECHNICAL SKILLS

Languages: C, Java, JavaScript, Python, SQL, C#, C++, Bash, NoSQL
Frameworks & Libraries: Flask, Streamlit, Pandas, NumPy, SciPy, MatPlotLib
Tools & DevOps: Docker, Git/GitHub, JuPyter Notebook, Visual Studio, VS Code, Pylance, GitHub Copilot
Databases: MongoDB, SQLite
Platforms & Systems: Linux, Windows, ParrotOS, MacOS
Cybersecurity Tools: Nmap, Wireshark, Burp Suite, Gobuster, Metasploit, Netcat, Hashcat, Searchsploit

RELEVANT EXPERIENCE

Morehouse Center for Broadening Participation in Computing | Virtual **June 2026 - July 2026**
Data Science Research Intern
- Performed multivariable analysis on a 1,000-record dataset using NumPy, SciPy, and Matplotlib, producing 6 visualizations.
- Pushed multiple jobs using UT Austin's Texas Advanced Computing Center, gaining 30 hours of experience using supercomputing environments and Linux systems.

Atlanta University Center Consortium | Atlanta, GA **June 2026 - July 2026**
Summer Bridge Intern
- Led logistics for a team project modeling a sustainable 800-resident town in Metro Atlanta.
- Constructed architectural models of all structures in the town and modeled how each building derives its resources from the energy the town produces.

HacWare Inc. | Dallas, TX **June 2025 - Aug. 2025**
Intern
- Administered project coordination and authored multiple blog posts using Microsoft Teams, YouTrack, and testing software.
- Identified and tested new tools for software rollouts, pinpointing multiple bugs and reducing downtime by 50%.

Microsoft | Irving, TX **June 2024 - Aug. 2024**
Software Engineering Intern
- Deployed test websites and applications using Streamlit and Flask, integrating AI chatbots and filtering responses depending on the parameters of the request.
- Trained AI models on image recognition and integration into web pages.
- Placed 2nd out of 8 teams at Microsoft's Annual BAM AI Hackathon.

PROJECTS

EDA Research Notebook | Python | https://github.com/Gavin-Ricks/SBX-PROJECTS **July 2026**
- Created a Jupyter Research Notebook on the effects of online vs offline learning on testing scores using a provided dataset.
- Utilized many types of tests and analysis in order to find a correlation or conclusion from the tests.
- Concluded that the correlation between online vs offline learning was statistically significant, according to the data.

Derma AI | Python, Streamlit, Flask **August 2024**
- Built an ML framework to diagnose skin conditions across diverse skin tones and textures, addressing bias in dermatological AI datasets.
- Led a 4-person team through a time-constrained build cycle, dividing model, data, and UI work.
- Earned 2nd in the Microsoft Southern Central District Hackathon.

CERTIFICATIONS

NOCTI/NBS Foundational Cybersecurity Certification | (noctiskillbadge.org/badge/35310639) **April 2026**
- Learned fundamentals in Linux Systems, Network Topology, and cybersecurity tools such as Wireshark. *Expires April 2031*

In Progress:
- **Hack The Box (HTB) Certified Penetration Testing Specialist**

LEADERSHIP

Vice President | AUC Black Cats (Morehouse Cybersecurity Club) **September 2026 - Present**