

# Brianna Rudolph

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## Education

**Georgia Institute of Technology, B.S. in Computer Science** | Atlanta, GA

**Expected Graduation: May 2024**

- Overall GPA: 3.36/4.0
- Awards: Zell Miller Scholarship, NACME Challenge Scholar & Corporate Scholar, Gilman International Scholar, Dean's List
- Relevant Coursework: Computer Networks, Database Systems, Intro to Info Security, Network Security, Perception & Robotics

## Skills

**Languages:** Java, Python, SQL, MATLAB, C, Assembly, Linux, Arduino, VHDL

**Technologies:** JIRA, Confluence, Tableau, Jenkins Pipeline, Figma, Microsoft Office Suite, WordPress, Wireshark, Git

**Certifications:** Georgia CTAE Engineering Pathway, HPE Certifications: Phishing, Internet Security, Data Handling & Classification, Password Safety, Secure Network Environments

## Professional Experience

### Carrier

**Atlanta, GA**

#### *Cybersecurity Intern*

*August 2023 – December 2023*

- Designed a new product inventory management system for the Product Security Operations team using the Agile methodology to timeline the development of the automated database system to reduce manual effort by 30% and ensure accurate vulnerability tracking of over 200 products.
- Created user-friendly inventory dashboard visualizations using Figma and Lucidchart, a diagramming tool, to visualize the scalability of Carrier's product infrastructure for the database.

### Deloitte & Touche LLP

**Atlanta, GA**

#### *Cyber and Strategic Risk Intern*

*June 2023 – July 2023*

- Collaborated with a team of developers and engineers to implement a strategic plan to rebuild the security infrastructure for a client utilizing Jenkin's CI/CD pipeline to increase system efficiency and productivity by 15%.
- Conducted thorough industry research on seven leading API Gateway and WAF providers, analyzing their features and capabilities to determine the most suitable solution for clients' cybersecurity needs.

### Hewlett Packard Enterprise

**Houston, TX**

#### *Identity and Access Management Intern*

*June 2021 – August 2021*

- Developed and delivered a comprehensive technical design failover operations plan for the Hashi Vault management tool to decrease downtime by 20% in HPE data centers for their Private Cloud and NGIT infrastructure.
- Completed the automated fail-over process using Linux and Python for four different fail-over situations and deployed CyberArk to manage HPE IT infrastructure for PAM solutions.

## Projects

### Smart Stadium IoT Team (Vertically Integrated Project)

**Atlanta, GA**

#### *Sensor Nets Team Member*

*January 2023 – May 2024*

- Programming over 10 integrated sensors and configuring the embedded system to capture audio and vibration data deployed throughout Georgia Tech Bobby Dodd Stadium.
  - Used TI CC3235 MCUs to measure and test power management product features in CCS, as a part, to build a cluster head sensor system that updates sensor data into an SQL database.

## Leadership

### National Residence Hall Honorary

**Atlanta, GA**

#### *Vice President of Administration*

*April 2023 – May 2024*

- Served as the primary liaison between the organization and external organizations, fostering key partnerships that resulted in a 10% increase in collaborative projects.
- Oversees file systems maintenance processes, maintains accurate records of monthly financial budget reports, and weekly meeting minutes to increase member engagement.

### Residence Hall Association

**Atlanta, GA**

#### *Director of Administration*

*April 2022 – April 2023*

- Streamlined IT and file systems maintenance processes using Power Automate flows, resulting in a 40% reduction in downtime and ensuring seamless operation of all systems for over 8,000 Georgia Tech staff and residents.
- Responsible for the upkeep of WordPress website and internal Microsoft SharePoint site to maintain digital records and knowledge of RHA systems.