

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
- 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.