Troy Stagg

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EDUCATION

Georgia Institute of Technology Atlanta, GA   August 2018 - Expected December 2022
- Bachelor of Science in Computer Science (Graduated with Highest Honors, Fall 2021, GPA: 3.79) , candidate for Master's in Computer Science (Fall 2022, GPA: 3.75)
- Dean's List   Fall 2018- Present

WORK EXPERIENCE

Sandia National Laboratories, Center for Cyber Defenders, *Graduate Student Intern*   Summer 2022-Present
DevSecOps
- Developed DevSecOps pipelines in Gitlab CI, Jenkins, and Azure DevOps to automatically run/process unit tests and security scans, containerize the application, and deploy to Kubernetes
- Developed Python scripts to integrate security tool outputs into functioning DevSecOps pipelines

Container Research & Understanding
- Created a full stack database for information pertaining to containers and their layers using Python and MongoDB
- Scanned several thousand container images and included GUI/API solutions for manual/programmatic lookups

Wreck Techs, *Lead Networking Residential Technology Advisor*   Fall 2019 - Fall 2020, Fall 2020-Present(Lead)
- Responsible for maintaining Georgia Tech's wired and wireless network infrastructure for over 15,000 connected clients
- Resolved issues pertaining to networking equipment and personal devices for over 8,000 on-campus residents

New York Life Insurance, *Technology Intern, Cybersecurity Track*   Summer 2021
- Led weekly training sessions for employees with lectures/lab walkthroughs based on OWASP Top 10 Web Application Security Risks using the Portswigger platform and Burp Suite
- Performed weekly analyses on Web Application Firewall logs of 10,000 samples using Excel/Python and regularly reported results to managers

OTHER PROJECTS

Chart Art   Spring 2020
Development of real-time flight weather map software and hardware
- Developed system in Python on a Raspberry Pi to obtain weather information online and display current flight condition information using LEDs wired onto a map of Greater New York area
- Gained skills in working with API data and physical design processes

Create-X Idea to Prototype (I2P)   January-May 2019
Development and production of a prototype quadcopter/airplane/submersible
- Designed and manufactured prototype vehicle, including waterproof motor casings & carbon fiber frame

SKILLS

Computer Science: *Application Security, Information Security, Computer Networking, Burp Suite, Python, Java, C/C++, Windows, MacOS, Linux, AGILE Development, Containerization, VMWare, DevSecOps*
- Relevant Coursework/Clubs: Computer Network Security, Information Security, Applied Cryptography, High Performance Computer Architecture, Advanced Operating Systems, GT Gray Hat Club, Reverse Engineering Course (Sandia National Labs), Malware Reverse Engineering (Fall 2022)

Communication: English (native), Spanish (fluent), ASL (intermediate)

DOE L-Level Security Clearance   Summer 2022-Present
Eagle Scout Award   Spring 2018

LEADERSHIP

Global Leadership Living Learning Community, *Mentor*   Fall 2019 - Present
- Mentoring a group of 1st year students in Georgia Tech's Global Leadership LLC
- Coordinated events, gave advice, and assisted with the transition to college living

Boy Scouts of America Troop 112, *Senior Patrol*   Fall 2016 - Spring 2018
- Served consecutive terms as Assistant Senior Patrol Leader and Senior Patrol Leader
- Managed the troop through planning events, leading meetings, resolving conflicts, and teaching skills to younger scouts