

Eric Stuhr

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EDUCATION

Georgia Institute of Technology

Atlanta, GA

MS in Computer Science, Computing Systems. GPA: 4.0

Expected Graduation: May 2025

BS in Computer Science, Networking and Intelligence. GPA: 4.0

Aug. 2020 – Dec. 2023

EXPERIENCE

Software Engineering Intern

May 2024 – Aug. 2024

Juniper Networks

Sunnyvale, CA

- Platforms team, supporting embedded systems for Juniper AWAN products
- Visualization tool for root cause analysis of ASIC link failures across 100s of data types for 100s of links per chassis
- Introduced new CLI command to Junos routers to support fine grained firmware upgrades

Graduate Research Assistant

Jan. 2023 – Present

Georgia Institute of Technology

Atlanta, GA

- Working under Professor Ahmed Saeed to investigate congestion control in datacenter settings
- 1st place undergraduate Student Research Competition at SIGCOMM '23, poster linked here: [estuhr1206.github.io](https://github.com/estuhr1206)
- Optimizing latency, CPU efficiency, throughput, and other metrics for microsecond-scale RPCs within real and simulated resource allocators and overload control systems at scale

Graduate Teaching Assistant

Jan. 2024 – Present

Georgia Institute of Technology

Atlanta, GA

- Spring 2024, teaching a special topics graduate course on Datacenter Networks and Systems
- Fall 2024, teaching Networking 1, the foundational networking course at Georgia Tech

Solutions Architect Intern

Jun. 2023 – Aug. 2023

Verizon Business Group

Cary, NC

- Supporting billions in revenue for the Global Presales Lab, which supports proof of concept and testing for Verizon
- Leveraging Cisco's ACI to detect and track problematic ports within multiple datacenters of 1000s of endpoints
- Automating datacenter operations with Ansible, Terraform, and vendor specific REST APIs in Python

Software Engineering Intern

May 2022 – Aug. 2022

Lockheed Martin

Orlando, FL

- Extended messaging features on an aviation and sensors focused project, largely in C++
- Refactored 60000+ lines of code in team functional product via Gitlab, ensuring quality through simulation
- Updated data models used with a Data Distribution Service, improving FACE compliance
- Adapted the models to existing external software, including Log4cplus, Docker, and RapidXML

Undergraduate Teaching Assistant

Jan. 2022 – Dec. 2022

Georgia Institute of Technology

Atlanta, GA

- Co-instructed a lab of 50 students and maintained the course for over 750 students each semester
- Covered transistors and digital logic, Assembly, and C and low level memory management
- Developed autograders in C and Java for use in a coursewide Docker container and Gradescope
- Led assessment development and release throughout the Fall 2022 semester

LEADERSHIP, ACTIVITIES, AND SERVICE

Georgia Tech Men's Club Volleyball

Aug. 2020 – Aug. 2023

- Treasurer from May 2021 to August 2022. Coordinated a \$5k - \$10k student organization budget annually. Advocated for and received \$5k more in funds than the previous fiscal year.

Boy Scouts Troop 285 of Orchard Park Eagle Scout and Volunteer

Sep. 2009 – Present

St. James UCC Member and Volunteer

Jan. 2014 – Present

TECHNICAL SKILLS

Languages: C++, C, Python, Java, SQL(MySQL)

Tools: Git (github and gitlab), Linux bash, gdb, numpy, Ansible, Cisco (IOS, NX OS, ACI), Postman, Docker

Concepts: Computer Networking, Data Structures, Algorithms, Computer Systems, Machine Learning, Agile and Scrum methodologies