

Eric Stuhr

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EDUCATION

Georgia Institute of Technology

Atlanta, GA

MS in Computer Science, Computing Systems. GPA: 4.0

Dec. 2024

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

Aug. 2020 – Dec. 2023

EXPERIENCE

Software Engineer

Feb. 2025 – Present

Juniper Networks

Sunnyvale, CA

- Developed platform software for MX and PTX routers, enabling reliable operation in large-scale service provider and hyperscaler environments while supporting 100+ Tbps throughput on custom hardware and silicon
- Designed and maintained low-level system software in C and C++ across Junos and Evo operating systems (BSD, Linux, and microkernel-based architectures)
- Responsible for various hardware components and their controlling daemons and firmware, including line cards, fabric cards, fan trays, power supplies, Ethernet and PCIe switches, and custom chips (ASICs, CPLDs, FPGAs)
- Implemented new power control features simulating hardware removal/insertion: integrated CLI, inter-process communication between daemons, Linux drivers, and FPGA register interfaces to complete the feature end to end
- Primary developer on several customer escalations, resolving each by hardening platform code across releases
- Interned May 2024 to Aug. 2024, assisting root cause analysis of ASIC link failures inside chassis interconnects

Graduate Research Assistant

Jan. 2023 – Dec. 2024

Georgia Institute of Technology

Atlanta, GA

- 1st place undergraduate poster at SIGCOMM '23(ACM), papers accepted at ICNP '25(IEEE) and MASCOTS '25
- Congestion control in datacenter settings: 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 – Dec. 2024

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

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

TECHNICAL SKILLS

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

Tools: Git (github and gitlab), Linux bash and kernel utilities, gdb, Network operating systems

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