

Nathan Cheek

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Education

Georgia Institute of Technology

Expected May 2019

BS Computer Science - 3.74 GPA

Threads: Devices & Information Internetworks

National Merit Scholar

Skills

- GNU/Linux - Debian, Ubuntu, Fedora, RHEL, CentOS
 - Web development - HTML, CSS, JavaScript, MySQL, NGINX, Node.js
 - Software development - Python, Java, C++, C, (some experience: BASH, MATLAB, Verilog)
 - Network administration - 802.11, DHCP, DNS, IPv6, NAT, VPNs (IPsec, OpenVPN), VyOS/EdgeOS
 - Device prototyping - Arduino, Teensy, Raspberry Pi, Autodesk EAGLE, AutoCAD
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Projects

HyTech Racing at Georgia Tech - Team President (*Past: Electrical Systems Lead 2015-2017*)

- Managing project schedule of a 50-member engineering team with annual budget over \$70,000
 - Managing logistics and solving supply chain issues for mechanical and electrical components
 - Designing and implementing control systems on an electric Formula Student vehicle
 - Creating custom circuit boards for vehicle electronic control units
 - Developing embedded systems applications using C++
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Work Experience

Software Engineering Intern - **Areva Federal Services** - Aiken, SC

May 2017 - July 2017

- Developed Internet-connected IoT radiation detection system
- Implemented wireless communication using TI CC2650 Bluetooth Low Energy system
- Created Bluetooth Low Energy Android app and Node.js web app

Infrastructure Engineer Co-op - **Georgia Tech Research Institute** - Atlanta, GA

May 2015 - April 2017

- Wrote and repaired SELinux policies and modules
- Assisted with department-wide upgrade from RedHat Enterprise Linux v6 to v7
- Designed and implemented physical and virtual networks for application testing
- Updated Python application features now in production
- Set up virtualized Elasticsearch Logstash Kibana (ELK) logging network

Technology Coordinator - **Atlanta Adventist Academy** - Duluth, GA

July 2013 - May 2014

- Deployed Apple devices in educational environment using Cisco Meraki Mobile Device Manager
- Coordinated multi-campus video conferencing solutions with Cisco, Lifesize, and Vidyo systems
- Maintained VoIP, network filters, and wireless network infrastructure
- Provided technical support for students and teachers

Online Forum Moderator - **Dropbox, Inc.** - San Francisco, CA

May 2012 - Present

- Offering helpful solutions to users of the Dropbox software and website with over 5,000 posts