

## PROFESSIONAL EXPERIENCE

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**Software Engineer, Software-Defined Networking Team, Arista Networks** Aug 2019 - Present

- Implemented hardware-based host ARP request/NDP NS packet forwarding to remote endpoints in EVPN-VXLAN (software-controlled Layer 2 virtual domains extended over Layer 3 networks) routing setup, leading to up to ~18x egress bandwidth expansion and solving process CPU overload.
- Implemented Virtual-ARP IPv6 anycast address configuration of overlay interfaces.

**Software Engineering Intern, Platform9 Systems** January 2019 - May 2019

- Built working proof-of-concept of auditing integrated as feature offering in Platform-Managed Kubernetes product, leveraging ELK (Elasticsearch, Logstash, Kibana) stack for logs consolidation, filtering and storage.
- Consolidated research on Kubernetes auditing functionality in company knowledge base.

**Software Engineering Intern, Dell EMC** May 2018 - August 2018

- Built working proof-of concept of dynamic bare-metal Kubernetes cluster expansion via composable architecture.
- Built Python library to leverage proprietary API harnessing composable architecture.

**Software Systems Engineering Intern, Dell EMC** May 2017 - August 2017

- Ported kernel-space PCIe device driver + software infrastructure for custom FPGA device to user-space DPDK framework.
- Built working proof-of-concept of two-way communication between VMs utilizing separate drivers for same device.

## EDUCATION

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**The University of Texas at Austin**

B.S.E.E, Electrical & Computer Engineering, May 2019 – GPA: 3.5 / 4

Coursework:

Data Structures, Algorithms, Data Science Laboratory, Operating Systems, Multicore Computing, Distributed Computing  
Member, Longhorn Entrepreneurship Agency

## VOLUNTEERING

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**Mentor, Techquitable Futures** August 2020 - Present

Mentoring college students from underrepresented backgrounds interested in software engineering.

## HONORS

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**Contrary Fellow (CW20)** August 2020 - Present

Inaugural batch of Contrary Fellowship (CW20), a selective community of early-career engineers, designers, and product minds run by Contrary Capital, a university-focused venture fund.