YUANZHI (BILL) GAO

yuanzhigao93@gmail.com ♦ C: (310)-593-3584 ♦ 1978 Galileo Ln, San Jose, CA

EDUCATION

Master of Science: Computer Science — September 2016 - March 2018
University of California, Los Angeles - Los Angeles, CA
GPA: 3.94
Publication: *MPTCP Path Selection using CapProbe* at IEEE WCNC 2018.

Bachelor of Science: Computer Science — July 2012 – June 2016
University of California, Los Angeles - Los Angeles, CA
GPA: 3.39

SKILLS

Fluent: C/C++, Python, Java, Linux Kernel Programming, Android Programming, TCP/IP
Semi-fluent: HTML, CSS, Ruby on Rails, Javascript

WORK EXPERIENCES

Software Engineer — May 2018 – Present
Arista Networks, Inc. – Santa Clara, CA
Working as a full-time software engineer on Routing/Switching Protocol Team.

- Implemented various network routing/forwarding features and corresponding configuration/show commands.

Software Engineering Intern — June 2017 – September 2017
Arista Networks, Inc. – Santa Clara, CA
Worked as a software engineering intern on Routing/Switching Protocol Team.

- Designed and implemented feature tracking tool for EOS software modules to automate the process of tracking routing protocol CLI commands and to automate the process of creating release documentations.
- Improved automated test scheduling tools to have intersection and test argument matching features.

Software Engineering Intern — July 2016 – December 2016
Cymer, an ASML Company – San Diego
Worked as a software engineering intern on EUV Software Team.

- Implemented data transport interfaces between software modules by sending waveform data in highly accessible structured format.
- Improved software error logging interfaces by preventing system throttling and by adding log-clearing feature.
- Increased error logging coverage for EUV source software system.

Software Engineering Intern — June 2014 – September 2014
Cymer, an ASML Company – San Diego
Worked as a software engineering intern on EUV Software Team.

- Implemented error/warning logging software interfaces for High Power Seed System.

RESEARCH & PROJECT EXPERIENCES

CapProbe over MPTCP (at UCLA Network Research Lab) — September 2016 – June 2017

- Designed and Implemented a Linux kernel module, CapProbe, that measures link capacities on multiple network interfaces upon MultiPath TCP (MPTCP) protocol sessions.
- Conducted controlled/uncontrolled experiments to verify the performance and use cases of CapProbe.

Cloud Assisted Mobile Augmented Reality — March 2017 – June 2017

- Implemented the prototype of cloud assisted AR mobile applications (on Android) by using and modifying ARToolKit.