EDUCATION

University of Maryland at College Park   Expected: May 2020
Bachelor of Science, Computer Engineering   GPA: [REDACTED]
President's Scholarship *(award based on merit)*
Advanced Cybersecurity Experience for Students (ACES) Honors Program
Undergraduate Teaching Fellow *(for ECE department)*

Relevant Coursework: Introduction to Computer Systems, Electric Circuits, Digital Circuits and System Laboratory, Organization of Programming Languages, Algorithms, Object-Oriented Programming II, Computer Organization

EXPERIENCE

Samsara
Software Engineering Intern   Fall 2019
- Prototyped and designed IoT devices to customer needs and specifications
- Managed and filtered infrastructure to support sensors and devices
- Improved driving detection algorithms based on vehicle and road data

Appian
Software Engineering Intern   Summer 2019
- Developed new user-oriented features for Appian BPM
- Managed availability, latency, scalability, and efficiency of Appian's systems
- Wrote software to patch and resolve QA issues

Northrop Grumman
Cyber Security Intern   Summer 2018
- Analyzed and categorized Cyber Threat Intelligence
- Tested and simulated applications within closed Virtual machines
- Developed and documented Scripts for data scrapping

ACTIVITIES AND PROJECTS

UMD Longboarding Club   Spring 2018
DIY Electric Longboard
- Designed and built a personal electric Longboard
- Implemented a ESC, brushed DC motor, and Arduino-based microcontroller
- 3-D Printed a casing for protection and product layout

SKILLS

Software
- Java, C, C++, C#, Unix Shell Scripts, Assembly, MATLAB
- Xilinx, PSpice, Wireshark, AutoCAD, Microsoft Office, LaTeX

Hardware
- RLC Components, Op-Amps, Multimeters, Oscilloscopes, Waveform Generators

Language
- German
- Korean