

EDUCATION

B.S. Electrical & Computer Engineering | **University of Arizona**
GPA: **3.667/4.00**

Fall 2016 - Spring 2020

Member | **Eta Kappa Nu IEEE**

Spring 2018 - Present

- Awarded to top 25% of 2nd semester Sophomores.

Dean's List | **University of Arizona College of Engineering**

Fall 2016 - 2017

- Award for Academic Distinction throughout the 2016 school year.

EXPERIENCE

Software Security Engineer | **Intel Corporation**

Summer 2018

- Analyze large datasets using an Artificial Neural Network.
- Create embedded Linux distributions with Yocto Project.
- Develop simple Intel Software Guard eXtension program.

Lab Assistant | **University of Arizona Computer Programming II**

Spring 2018

- Provide Office Hours to help students with C++ programming.
- Experience with debugging other peoples code, and dealing with program errors.

Student | **University of Arizona Computer Programming II**

Fall 2017

- Large scale social network analysis project written in C++ to be ran under 5 seconds.
- Project required use of data structures such as hash maps and binary trees.

Student | **University of Arizona Digital Logic**

Fall 2017

- Constructed a 32-bit single cycle processor in Verilog.
- Ran simulation of a processor on a Nexys 4 DDR Artix-7 FPGA board.

INVOLVEMENT

Chair | **University of Arizona IEEE**

Summer 2018 - Present

- Gain social skills in a professional environment in order to benefit the student organization.
- Unanimously voted to be chair of IEEE for the 2018-2019 school year.

Vice President | **University of Arizona H.A.C.K.S**

Summer 2017 - Present

- Use Proxmox VE hypervisor to create and manage multiple virtual machines.
- Teach system administration and Cyber Security.

Volunteer | **University of Arizona ECE 175**

Fall 2017

- Assists students in learning fundamentals of C programming.
- Provide help on how to properly debug programs.

SKILLS & KNOWLEDGE

- *Languages & Software:* C, C++, Bash Scripting, Python, Java, Matlab, Verilog, basic x86 & MIPS Assembly, qtspim, UML.

- *Technical Skills:* Operating Unix machines, Linux Binary Analysis, Program Debugging, Basic Circuit Analysis, Soldering.