

## EDUCATION

- B.S. Electrical & Computer Engineering* | **University of Arizona** Fall 2016 - Spring 2020  
GPA: **3.745**/4.00
- 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 - 2018  
- Award for academic distinction throughout the school year.

## EXPERIENCE

- Software Security Engineer* | **Intel Corporation** Summer 2019 - Present  
- Integrated automated unit testing framework into legacy C library, with plans to open source.  
- Developed multiple Yocto bitbake layers that will be used on various IOT and consumer devices.  
- Code owner of project that discovers security solutions on the platform in real time.
- Student* | **University of Arizona Computer Architecture** Fall 2018  
- Constructed a general purpose pipe-lined processor that runs 32 bits MIPS.  
- Created a Datapath that utilizes full-forwarding & hazard detection components.  
- Introduced Branch Prediction & Speculative Execution.
- Software Security Engineer* | **Intel Corporation** Summer 2018  
- Analyzed large datasets using an Artificial Neural Network.  
- Created embedded Linux distributions with Yocto Project.  
- Developed simple Intel Software Guard eXtension program.
- Lab Assistant* | **University of Arizona Computer Programming II** Spring 2018  
- Provided Office Hours to help students with C++ programming.  
- Required knowledge of data structures and algorithms.  
- Projects have time constraints that require algorithm optimization.

## INVOLVEMENT

- 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.
- Vice Chair* | **University of Arizona IEEE** Summer 2018 - 2019  
- Gain social skills in a professional environment in order to benefit the student organization.  
- Organize and teach a soldering workshop for the Microcontroller Design class.

## SKILLS & KNOWLEDGE

- *Languages & Software*: C, C++, Bash Scripting, Bitbake, Yocto, Python, Java, Matlab, Verilog, basic x86 & MIPS Assembly, qtspim, UML.
- *Technical Skills*: Operating Unix machines, Basic Linux Binary Analysis, Program Debugging, Test Driven Design, Basic Circuit Analysis, Soldering, git.