Mitchell J. Dzurick

mitchdz@email.arizona.edu
(520)-400-9183
dzurick.org

EDUCATION

M.S. Electrical & Computer Engineering | **University of Arizona** Fall 2019 - **Spring 2021**
- Enrolled in Accelerated Masters Program.

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 - 2019
- 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 Project | **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.
- 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 - Present
- 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, Javascript, HTML.

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