Mitchell J. Dzurick

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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
- Audit Security team for unit testing and code coverage.
- Integrate unit testing framework into legacy C library.
- Develop Yocto layer for application that will be ran on IOT devices.

Student | **University of Arizona Computer Architecture** Fall 2018
- Constructing general purpose pipe-lined processor that runs 32 bits MIPS.
- Datapath utilizes full-forwarding & hazard detection components.
- Introduces Branch Prediction & Speculative Execution.

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.
- Requires 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.

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, Python, Java, Matlab, Verilog,
basic x86 & MIPS Assembly, qtspim, UML, git.

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