
EDUCATION

Rochester, NY	Rochester Institute of Technology	Fall 2016 – Spring 2021
<ul style="list-style-type: none">• B.S. in Electrical Engineering, May 2021. GPA: 3.6• Honors College, Presidential Scholar, Sigma Chi		

EMPLOYMENT

Product Development Engineer 2	AMD	Spring 2021 - Present
<ul style="list-style-type: none">• Developed test programs on 93K ATE for GPU products (Python, C++, Ruby, Linux)• Analyzed test data; optimized programs to improve yield and reduce test time• Thermal test content owner for wafer sort and packaged test insertions		
Reliability Engineer, Intern	AMD	Spring/Summer 2020
<ul style="list-style-type: none">• Developed burn-in and lifetime assessment programs to evaluate silicon reliability (Python, Linux)• Performed electrical bring-up and debug of load boards		
Hardware Engineer, Intern	Council Rock Enterprises	Spring/Summer 2019
<ul style="list-style-type: none">• Configured devices for LTE connection using Amarisoft simulator (OpenWRT, Python, Node-RED)• Performed schematic capture and layout for TELiG IoT router (EAGLE PCB)• Developed hardware peripherals, including touchscreen and temperature sensors		
Electrical Engineer, Intern	Exelon Generation	Summers 2017 & 2018
<i>Calvert Cliffs Nuclear Power Plant</i> <ul style="list-style-type: none">• Tested copper coating proposed to prevent hydroid growth at water intake cavities• Coordinated installation of wireless gauge readers onto feedwater control valves <i>Ginna Nuclear Power Plant</i> <ul style="list-style-type: none">• Drafted plan to install power transformer in plant substation• Updated electrical equipment documentation in preparation for NRC inspection		
Assembly Technician	Spang Engineered Solutions	Summer 2015
<ul style="list-style-type: none">• Assembled transformers, inductors, lightning arresters and printed circuit boards• Performed electrical testing – impedance, hi-pot, DCR, tensile testing		

PROJECTS

- **Smart Shed** - Off-grid shed to house black-soldier flies for food waste composting; designed sensor/relay control, solar power, and data collection systems (Python, Linux)
- **Nand2Tetris** - Series of projects to go from Nand gate to Tetris; CPU/memory and Assembler/VM/Compiler/OS (Hack HDL, C++)
- **Arcade Vending Machine** - RPi retro arcade emulator with mezzanine vending machine; drinks dispensed by linear actuators using Venmo (Python)
- **Volunteer Biomedical Technician** - Served in Guatemala hospital repairing medical equipment including centrifuge, autoclave, and microscope

LANGUAGES AND TECHNOLOGIES

- Python; C++; Ruby; SQL; Bash; MATLAB; Verilog; HTML/CSS/JS
- MSP430; RPi; ARM; Oscilloscope; Altera FPGA; LTE; EAGLE PCB