

ALEXANDER KINKADE

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Adaptable | Life Long Learner | Determined

SKILLS

Software Tools: C++, Rockwell Studio 5000, Bentley Microstation, Siemens NX, Autodesk AutoCAD, Fusion360, MATLAB, Simulink, LaTeX, Bash, Linux, Comsol, HTML, CSS, GitHub

Hardware Skills: SMD Soldering, Mechanical Assembly/Disassembly, Additive Manufacturing, Oscilloscope, Multi-meter, Spectrum Analyzer, Calipers, Micrometers, Torque Wrench

Misc: Rocket Propulsion, Electronic Warfare, Control Theory, Microsoft Office Suite, Electrical/Mechanical Troubleshooting, Safety Standards, Accountability, Public Speaking, Leadership, Technical Writing

PROFESSIONAL EXPERIENCE

Honeywell

Controls Software Engineer

Mason, OH

Feb 2019 - Present

- Provided on site engineering experience to troubleshoot system integration issues for Amazon, Big Lots!, and Vanity Fair
- Awarded by the Director of Project Engineering, personal management, and project managers for providing outstanding work after Amazon sent a letter of recognition
- Programmed conveyor, ASRS (Automatic Storage and Retrieval System) Robots, manual sorters, and truck unloaders using PLCs for logistical centers across the USA

EN Engineering

Power Design Engineer

Milford, OH

Feb 2018 - Jan 2019

- Designed the feeder line for the new FC Cincinnati Stadium and the overhead replacement for the CVG Airport underground feeder line
- Project lead for underground PILC (Paper Insulated Lead Cabling) replacements in downtown Cincinnati
- Drafted and designed underground and overhead replacement Switch-gears, Capacitor banks, and automated Reclosers
- 3rd Party Safety Expert, in charge of maintaining transfer of Communication lines to replacement poles

Air Force Institute of Technology

Graduate Research Associate/Consultant

Wright Patterson AFB, OH

May 2017 - Dec 2017

- Helped plan, direct, and conduct analysis, and simulations for the star tracking camera to be fitted to the experimental Cube-Sat payload, SkyPad, along with orbital electrostatic accumulation scenarios for low earth orbit
- Worked on Population Density algorithm for modeling Nuclear Weapon Fuel yields using MATLAB

BWI Group

Validation Engineering Intern

Kettering, OH

Apr 2015 - May 2017

- Performed Unit Testing and Validation on software for customer coding standards/MISRA C standards
- Performed PCB testing using various lab tools to verify signals, CAN messages, and safety fail-safes for customer standards
- Became the SME on Unit Testing Tools, teaching senior engineers through group/one on one meetings as an intern

PROFESSIONAL AFFILIATIONS

The Planetary Society

Mariner Member

Sept 2020 - Present

- Founded by Carl Sagan in 1980, The Planetary Society advocates planetary science and supports NASA funding

American Institute of Aeronautics and Astronautics

Member

Oct 2020 - Present

- Professional society for networking and discussion among the Astronautical and Aeronautical industry

EDUCATION

The Ohio State University

MS Aerospace Engineering

Columbus, OH

Jan 2021 - Anticipated Dec 2023

Massachusetts Institute of Technology

16.00x - Astronautics and Human Spaceflight Certification

Cambridge, MA

June 2020-Aug 2020

Wright State University

BS Electrical Engineering

Dayton, OH

Aug 2013 - Apr 2017