

# ALEXANDER KINKADE

Kettering, OH · kinkadealexander@gmail.com · 937-716-3882 · <https://www.lexkinkade.github.io>

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

**Hardware Skills:** SMD Soldering, Mechanical Assembly/Disassembly, Additive Manufacturing, Oscilloscope, Multi-meter, Spectrum Analyzer, Hand-tools, Pneumatic/Fluid fittings

**Misc:** 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 VP of the 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