# Alexander Kinkade

Kettering, OH · kinkadealexander@gmail.com · 937-716-3882 · https://www.lexkinkade.com
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**                                                                     Mason, OH
*Controls Software Engineer*                                          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**                                                            Milford, OH
*Power Design Engineer*                                             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**                        Wright Patterson AFB, OH
*Graduate Research Associate/Consultant*                         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**                                                                 Kettering, OH
*Validation Engineering Intern*                                    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**                                               Sept 2020 - Present
*Mariner Member*

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

**American Institute of Aeronautics and Astronautics**          Oct 2020 - Present
*Member*

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

## Education

**The Ohio State University**                                            Columbus, OH
MS Aerospace Engineering                              Jan 2021 - Anticipated Dec 2023

**Massachusetts Institute of Technology**                          Cambridge, MA
16.00x - Astronautics and Human Spaceflight Certification          June 2020-Aug 2020

**Wright State University**                                                 Dayton, OH
BS Electrical Engineering                                           Aug 2013 - Apr 2017