Landon Miller

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Education

UNIVERSITY OF AKRON. Akron, OH

Bachelor of Science in Electrical Engineering   6/2017 - Present
- Expected Graduation: 5/2022 | Completed Credits: 134 | GPA: 3.94
- Relevant courses: Circuits I & II, Programming for Engineers, Physical Electronics, Controls I & II, Embedded Systems Interfacing, Electronic Design
- President's List: Summer 2017 – Fall 2018 | Dean's List: Spring 2019 - Present
- 2017-2018 Outstanding Physics Student | William's Honors College Scholarship

Experience

PEPPERL+FUCHS. Twinsburg, OH

Research and Development Co-op   5/2019 – 9/2021
- Researched, designed, and simulated circuitry for a series of inductive sensors
- Performed sensor testing and presented resulting data to validate a key component design change
- Collaborated with an experienced engineer on the development and setup of a high-voltage tester
- Conducted research in order to identify leading technologies to be used in both new and existing sensor designs

PALITTO CONSULTING SERVICES. Wadsworth, OH

Electrical Engineering Intern (102 hours)   3/2018 – 6/2018
- Conducted feasibility studies utilizing various Bluetooth Low Energy development boards
- Customized provided software development kits to collect performance data
- Analyzed the initial data and prepared the system for field testing
- Developed valuable communication skills by participating in conference calls, providing status updates, and creating documentation

Office Cleaner   7/2016 - Present
- Maintained a clean facility in order to support a professional working environment

APOSTOLIC CHRISTIAN NURSING HOME. Rittman, OH

Environmental Aide   7/2016 – 5/2019
- Supported a hospitable environment for the residents by assisting with meals, distributing water, stocking supplies, and checking door alarms
- Developed experience in working within a team to better the lives of residents

Extracurricular Activities

- ***University of Akron Electronics Club***, Chief Technology Officer   9/2019 - Present
- ***University of Akron Amateur Radio Club***, President   8/2019 - Present
- Worked with a team of engineering students to plan and present projects for bi-weekly Electronics Club meetings
- Collaborated with a Senior Design team to develop and design an autonomous coffee grinder and brewing machine
- Completed fifteen Coursera courses including those related to embedded systems, IoT, Python, and MATLAB
- Continue to self-train through online courses and gain real-world experience with relevant engineering projects
- Designed and developed several microcontroller-based projects utilizing the Raspberry Pi and Arduino platforms, including a web-controlled desk light
- Acquired Amateur Radio Technician and General Licenses – 9/2016, 12/2016
- Use Autodesk Fusion 360 3D CAD software and multiple 3D printers to design and fabricate components

Skills

- LTspice, Autodesk Fusion 360, KiCAD, MPLAB X IDE, MATLAB, Python, C/C++, Microsoft Office, Windows, macOS, Linux

Interests

- Embedded Systems, PCB Design, Robotics, 3D Printing, Software Development, Home IT Lab