

Nathan M. Huber

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Education:

University of Cincinnati - Expected to Graduate Spring 2019 Bachelor of Science Electrical Engineering Technology Minor in Robotics and Automation	Cincinnati, OH	GPA: 3.744
St. Marys Memorial High School - Graduated May 25, 2014	St. Marys, OH	GPA: 3.2
TriStar Career Compact - Graduated May 25, 2014 ISCET Electronics Systems Associate – Levels 1, 2, 3, & 4 ETA Customer Service Specialist West Central Ohio Manufacturing Consortium Intermediate	St. Marys, OH	

Work Experience:

RESEARCH ASSISTANT: University of Cincinnati, Cincinnati, OH 2018 – Present
Assist with the development of smart robotic systems to assist humans with common tasks. Lead the robotic hardware and software development of an artificially intelligent robotic system to assist a person in lifting a table and react dynamically based on the forces applied to the end effector. Design and manufacture robot end effectors using Autodesk Fusion. Create lab manuals and teach graduate students on robotic programming within the Kuka environment.

TEACHING ASSISTANT: University of Cincinnati, Cincinnati, OH 2016 – 2018
Assist the professor in implementing lecture material within the lab. Support students in applying real world engineering concepts in a hands-on environment. Grade all submitted material within a timely manner and provide useful feedback to students.

ELECTRICAL ENGINEER CO-OP: Coldwater Machine Company, Coldwater, OH 2014 - Present
Manage all parts of projects including budgeting, implementing revisions to wiring diagrams, and control panel drawings. Develop and edit PLC code and HMI screen programs. Create and debug robotic programs using Roboguide or the physical teach pendant. Troubleshoot control systems of new and re-tooled equipment in house and at the customer's facility. Design and lead on site installations. Represent company promotional material in presentations and videos.

ASSOCIATE: Agape Ministries, St. Marys, OH 2013 - 2014
Tested and repaired donated electronics. Organized donations and assisted customers. Demonstrated the ability to learn new tasks quickly and to work efficiently.

MANAGER: Tastee Treat, St. Marys, OH 2012 – 2013
Oversaw all aspects of the business including the training of other employees, interacting with customers and meal preparation. Led a team of seven people to sustain an oriented environment that emphasized customer service.

Activities and Honors:

- Co-founder of Fly UC
- Electronics Team Lead - Fly UC
- Electronics Levitation Lead – Hyperloop UC
- Robotics Research
- CEAS Ambassador
- IEEE
- Dorm Hall Floor President (1st Year)
- First Year Leadership Program
- Eagle Scout and Bronze Palm
- Gold Medal Recipient in Electronics Technology SkillsUSA State Competition
- Competed in the Electronics Technology SkillsUSA National Competition -12th Place
- President of the SkillsUSA Bio-Medical and Electronics Technology Chapter
- Huber Vending

Skills and Certifications:

Fanuc Robotics Handling Tool Operation and Programming Certification
Fanuc Dual Check Safety Certification
Fanuc CR-Series Collaborative Operation & Programming Certification
Fanuc iRVision
Fanuc Roboguide Software
Kuka Sunrise Workbench & WorkVisual 5.0 Software
Motoman Robotics
RS Logix 500 & 5000, Studio 5000, Panel View, Cx Developer, Cx Designer, Crimson 3.0
C++, Python, Java, MATLAB, HTML, CSS, Flowcode, Autodesk Eagle & Electrical