

# Nathan M. Huber

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## Education:

<b>University of Cincinnati</b> - Expected to Graduate Spring 2019 Bachelor of Science Electrical Engineering Technology Minor in Robotics and Automation	Cincinnati, OH	GPA: 3.771
<b>St. Marys Memorial High School</b> - Graduated May 25, 2014	St. Marys, OH	GPA: 3.2
<b>TriStar Career Compact</b> - 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:

<b>ELECTRICAL ENGINEER:</b>	Coldwater Machine Company, Coldwater, OH	2019 – Present
<b>ELECTRICAL ENGINEER CO-OP:</b>		2014 – 2019

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. Developed software to automate the process of creating PLC code. Mentor interns on the development of PLC, HMI, and robotic programs.

<b>RESEARCH ASSISTANT:</b>	University of Cincinnati, Cincinnati, OH	2018 – Present
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Assist with the development of smart robotic systems to assist humans with common tasks. Led the robotic hardware and software development of an artificially intelligent robotic system to assist a person in lifting a table. Developed the robotics hardware and software for a robotic arm to follow a person with the use of a custom vision system. The system is a step towards having the robot identify and retrieve an object as a bed side assistant. Create lab manuals and teach graduate students on robotics within the Kuka and Fanuc environment. Authored robotic safety documentation for the university and the engineering college with compliance to ISO standards.

<b>TEACHING ASSISTANT:</b>	University of Cincinnati, Cincinnati, OH	2016 – 2018
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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.

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

## 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 (1<sup>st</sup> 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 -12<sup>th</sup> 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