

William Davis

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Mechatronics Engineer

Engineering professional looking for an engineering position as a
Controls/Automation/Robotics/Mechatronics Engineer in the beginning of 2022

Highlights of Expertise

- Reporting/Researching/Documentation
- Pick & Place Robot C++
- Whiffle Ball Tracker Matlab
- Computer Aided Design: SOLIDWORKS
- Implementation of Automation
- Autonomous Data Filter Python
- Robotic Arm Design
- PLC Picker Placer Robot
- Material & Data Analysis
- Team Building/Leadership/Collaboration
- Construction of Autonomous Vehicles
- Troubleshooting & Problem Solving

Career Experience

GE Appliances-A Haier Company, Louisville, Kentucky

PRODUCT QUALITY ENGINEER CO-OP (May 2021 to Aug 2021)

Analyze and troubleshoot defective units while communicating with manufacturers about results.

- Washer, dryer, & refrigerator **teardowns** and **analysis** to determine field failure issues.
- Communicated with manufacturers results found in failed field service parts
- **Analyze field quality data** to help identify projects for product improvement
- Developed autonomous emailing system

MANUFACTURING ENGINEER CO-OP (Aug 2020 to Dec 2020)

***Fabricate detailed layouts** for equipment and processes while **analyzing problem resolutions** and implementing improvements.*

- Generate a short-and long-term factory master plan for Roper Manufacturing Site.
- Analyze & identify process improvement opportunities to boost uptime, waste, or labor productivity in manufacturing operations.
- Ensure manufacturing processes, equipment, and products comply within legal regulations.

Education & Credentials

Kennesaw State University, Kennesaw, Georgia

BACHELOR OF SCIENCE IN MECHATRONICS ENGINEERING (2016 - Dec 2021) GPA: 3.46/4.0

Licenses:

- Certified SOLIDWORKS Associate License (CSWA)-Kennesaw State University
- **Eagle Scout – Boy Scouts of America**

Student Organizations-Autonomous Underwater Vehicle Competition Team:

President, June 2019-Present

- Oversee all engineering aspects of developing an autonomous underwater vehicle including: research, design, logistics, testing, performance, recruiting, & financials.
- Model and detail solutions in SolidWorks & Python for robotic arms.
- Machine shop experience in fabricating aluminum plates to create the exterior subframe.
- R&D new kill switch design & interior temperature data.