

Jacob Cole

219-575-9919 | jacobcole152@gmail.com | linkedin.com/in/jacob-cole-315399149 | github.com/jcolecode | jacobcole.dev

Education

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

- Purdue University Polytechnic Institute
- 08/2017 to 05/2021
- GPA: 3.43/4.00

Certifications

HARVARD INTRO TO COMPUTER SCIENCE

- C, Python, Flask, SQL, HTML, CSS, JavaScript, Data Structures and Algorithms
- 09/2022

Technical Skills

LANGUAGES

- HTML, CSS, JavaScript, MATLAB, C

FRAMEWORKS

- React, Bootstrap, Material

OTHER

- Product Development, Project Management, Process Improvement, Connected Components Workbench, GD&T, Finite Element Analysis, Autodesk Inventor and Revit

Experience

SIEMENS | ASSOCIATE PROJECT MANAGER

JULY 2022 – PRESENT

- Supervised team of Systems Engineers by guiding and approving their HVAC control drawings, submittals, databases, and front-end graphics
- Managed project financial performance ranging from \$50,000 to \$500,000 above booked margin
- Hired electrical subcontractors to perform installation of Siemens material
- Conveyed design, configuration, operation, and installation requirements to engineers and contractors
- Organized project execution through on-site meetings and checkups

JOHNSON CONTROLS | SYSTEMS APPLICATION ENGINEER

JULY 2021 – JULY 2022

- Designed HVAC equipment selection, application, and submittal
- Managed project financial performance ranging from \$20,000 to \$2.7 million above booked margin
- Communicated design, configuration, operation, and installation requirements to engineers and contractors
- Overseen project implementation through on-site meetings and checkups

J AND J INDUSTRIAL SERVICES | CONTROLS ENGINEER INTERN

JUNE 2014 – AUGUST 2020

- Designed a functional stop light, car wash, and gas station pump in Connected Components Workbench
- Converted MicroLogix 1400 PLC programs to the Micro850 PLC
- Assembled and wired automation control panels
- Created electrical control schematics in AutoCAD Electrical
- Assisted company officers with field service and installations

Projects

PORTFOLIO WEBSITE

- Designed a React based web application to showcase my personal life, experience, and coding projects

ELI LILLY AND COMPANY AUGMENTED REALITY

- Designed an application by leveraging Power Apps and Power Automate flow that can be used to upload files on SharePoint
- Created project schedule for the team to follow in order to complete the project in a timely manner
- Drafted a report documenting all the findings about the RealWear HMT-1/Microsoft HoloLens 2
- Conducted a usability study by comparing the devices

Leadership Activities

ACADEMIC CHAIR | MENTOR

AUGUST 2019 – MAY 2020

- Led the Academic Committee at Kappa Sigma Fraternity, Chi Chapter by offering tutor sessions in various engineering courses