Jacob Cole

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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, Java

FRAMEWORKS
- React, Bootstrap, Material

OTHER
- Product Development, Project Management, Process Improvement, Connected Components Workbench, GD&T, Finite Element Analysis, Matlab, 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