

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

- Awarded 09/2022

Technical Skills

LANGUAGES

- JavaScript, HTML, CSS, Python, SQL

FRAMEWORKS/PLATFORMS

- React, Flask, Bootstrap, Material UI, Heroku, Docker

OTHER

- Project Management, Product Development, Process Improvement, Connected Components Workbench, Matlab, Solidworks, Autodesk Inventor and Revit

Experience

SIEMENS | ASSOCIATE PROJECT MANAGER

JULY 2022 – PRESENT

- Led 5 full-time engineers to design building automation system drawings, databases, and front-end graphics.
- Created project schedules for the team to follow project milestones. Increased productivity by 18%.
- Hired and led electrical subcontractors to complete installation of project scope.
- Managed project financial performance ranging from \$50,000 to \$500,000.
- Demonstrated project execution and milestones through on-site meetings and weekly presentations.

JOHNSON CONTROLS | SYSTEMS APPLICATION ENGINEER

JULY 2021 – JULY 2022

- Led 3 sales engineers by defining initial project scope based on customer requirements.
- Engineered HVAC equipment selection, application, and drawings.
- Influenced strategy to improve project financial performance. 15%+ increase to project's booked margin.
- Completed a portfolio of \$2.7 million worth of projects in under 1 year.

J AND J INDUSTRIAL SERVICES | CONTROLS ENGINEER INTERN

JUNE 2014 – AUGUST 2020

- Discovered opportunity to transfer over to the Micro850 PLC to keep up with industry standards.
- Designed PLC programs in Connected Components Workbench for control panels.
- Converted MicroLogix 1400 PLC to Micro850 PLC. Improved data capacity by 50%.
- Deployed products across various industrial automation markets to increase company revenue by 23%/yr.

Projects

ILLINOIS COVID-19

- Identified visibility issue with the showcasing of current data for COVID-19 cases in Illinois.
- Built a web application using Python to help Illinois residents understand the total cases of COVID-19 in their county.

FINANCE

- Designed a web application using Python which users can "buy" and "sell" stocks.

ELI LILLY AND COMPANY AUGMENTED REALITY

- Led a team of 8 students to initiate a solution for Eli Lilly's lab scientists to document data by using wearable devices.
- Drafted a report documenting all the research about the RealWear HMT-1/Microsoft HoloLens 2.
- Designed an application by leveraging Power Apps and Power Automate flow to upload files on SharePoint.
- Conducted a usability study by comparing the devices.
- Achieved buy-in from industry contact, accelerated company's data documentation strategy.

Leadership Activities

ACADEMIC CHAIR

AUGUST 2019 – MAY 2020

- Led the Academic Committee at Kappa Sigma Fraternity, Chi Chapter by mentoring 25+ students in various engineering courses. Boosted fraternity's cumulative GPA from 2.78 to 3.05 within one year.