

Jacob Cole

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Education

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING TECHNOLOGY

- Purdue University – 2017 to 2021
- GPA: 3.26/4.00

Certifications

HARVARD INTRO TO COMPUTER SCIENCE

- Awarded 09/2022

Technical Skills

LANGUAGES

- JavaScript, HTML, CSS, Java, Python, SQL, C

FRAMEWORKS/PLATFORMS

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

OTHER

- Jira, Tableau, Confluence, Matlab, Solidworks

Experience

ENFUSION | TECHNICAL PROGRAM MANAGER

JANUARY 2023 – PRESENT

- Led Web and Mobile team using Agile to develop applications by working with internal stakeholders and customers.
- Prioritized Product Roadmap with developers, aligned the product vision with market needs and business strategy.
- Designed and led development of a Data Warehouse project to help create a holistic view of data across the firm, managed forecasts and metrics reporting in Tableau.
- Took leadership on companywide projects by ensuring all ideas are understood by developers, executed an infrastructure project to prepare the firm for 10x scale and 99%+ uptime.

SIEMENS | ASSOCIATE PROJECT MANAGER

JULY 2022 – JANUARY 2023

- 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%.
- Managed project financial performance ranging from \$50,000 to \$500,000.

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

- 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

- Built a web application using Python to help Illinois residents understand the total cases of COVID-19 in their county.

FINANCE

- Designed a full stack 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.
- Designed an application by leveraging Power Apps and Power Automate flow to upload files on SharePoint.
- Drafted a report documenting all the research about the RealWear HMT-1/Microsoft HoloLens 2.

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.