Jacob Cole

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Education

MASTER OF SCIENCE IN COMPUTER SCIENCE
- Georgia Institute of Technology – Expected May 2026

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING TECHNOLOGY
- Purdue University – 2017 to 2021
- GPA: 3.43/4.0

Technical Skills

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

FRAMEWORKS
- React, Flask, Bootstrap, Material, Plotly, Selenium

PLATFORMS
- Git, Heroku, Docker

OTHER
- Jira, Confluence, Tableau, Matlab, Solidworks

Projects

REAL ESTATE
- Developed a Selenium web scraper in Python for real estate agents by automating lead extraction and data input.

ILLINOIS COVID-19
- Built a COVID-19 data visualizer using Python, Dash-Plotly, and Docker to provide insights for Illinois residents.

FINANCIAL TRADING
- Designed and implemented a full-stack web application in Python and Flask for simulated stock trading.

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 for seamless data documentation.
- Drafted a report documenting all the research found about the RealWear HMT-1 and Microsoft HoloLens 2.

Experience

ENFUSION | TECHNICAL PROGRAM MANAGER   JANUARY 2023 – JULY 2023
- Led Web and Mobile team using Agile to develop applications by working with internal stakeholders and customers.
- Prioritized Product Roadmap by aligning the product vision with market needs and business strategy.
- Designed and implemented a Data Warehouse project to manage forecast and metric reports in Tableau.
- Executed an infrastructure project to prepare the firm for 10x scale and ensure 99%+ uptime.

SIEMENS | ASSOCIATE PROJECT MANAGER   JULY 2022 – JANUARY 2023
- Led a team of 5 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
- Defined 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   MAY 2020 – AUGUST 2020
- Built Micro850 PLC programs in Connected Components Workbench for control panels.
- Discovered opportunity to transfer to Micro850 PLC to keep up with industry standards.
- Deployed products across various industrial automation markets to increase company revenue by 23%/yr.