ROBERT W. WHITE

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EDUCATION

Indiana University Indianapolis *Expected Graduation, May 2025*
Bachelor of Science, Data Science – Current GPA: 3.97

Butler University: Executive Education, Coding Bootcamp *Completed August 2021*
MERN Stack Web Development

University of Cincinnati *Graduated May 2019*
Master of Engineering, Mechanical Engineering

Purdue University *Graduated May 2015*
Bachelor of Science, Mechanical Engineering Technology

EXPERIENCE

Indiana University Indianapolis August *2024 – Present*
I308 Information Representation – Teaching Assistant

- Grading assignments and assisting students learning concepts in database administration

O'Neal Manufacturing Services - Lawrence, Indiana *September 2022 – Present*
Manufacturing Engineer

- Creating CNC machine programs and setting up work cells for machine operators
- Designing and building welding fixtures for ergonomics and increased efficiency in the welding department
- Implementing continuous improvement projects around the plant regarding employee safety and cost reduction
- Facilitating capital projects including a robotic work cell for press break and a parts cage for in-house distributor

Morris Machine Company, Inc. - Indianapolis, Indiana *February 2018 –September 2022*
Manufacturing/Quality Engineer

- Ensured Quality Management System (QMS) exceeds customer, industry, and government requirements
- Facilitated the company wide adoption of a new ERP system
- Developed and implemented quality procedure trainings for employees
- Analyzed part blueprints utilizing standard GD&T to determine conformity to customer specifications
- Evaluated and dispositioned nonconforming hardware and if necessary, develop repair processes
- Generated case records for nonconforming hardware for customer approval
- Created Manufacturing Routers and Inspection Method Sheets
- Launched new production parts by completing and submitting First Article Inspection Reports to customers
- Issued Root Cause and Corrective Action reports in response to regulatory, customer, or internal audit findings

Yamazen Incorporated - Noblesville, Indiana *June 2017 – January 2018*
Sales Engineer

- Acquired knowledge regarding machine tool products and their marketability
- Gained an understanding of the tooling process for machine tools and their applications
- Increased knowledge of metrology by learning about various inspection instruments
- Enhanced communication skills by demonstrating products to customers

Cincinnati Incorporated - Harrison, Ohio *June 2015 – April 2017*
Mechanical Support Engineer

- Helped lower production cost of a laser by designing for manufacturability and sourcing alternative parts
- Used CAD software to create models of finished products as well as manufacturing drawings of components
- Designed and tested various mechanical components on the first 3D-printer used to print a functional automobile

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DATA SCIENCE SKILLS

Programming / Software:

- Python, SQL, Visual Basic
- HTML, CSS, JavaScript
- MATLAB, R, SAS, Weka
- phpMyAdmin
- Github (version control)
- Heroku

Projects:

- Image Classifier Machine Learning Web Application made with TensorFlow and Taipy
- Housing Data Machine Learning Model Competition on Kaggle

Python Libraries:

- NumPy
- Pandas
- Matplotlib
- Scikit-Learn
- TensorFlow
- BeautifulSoup
- Sqlite3
- Taipy
- Flask

Other:

- Critical Thinking
- Teamwork
- Hypothesis Testing
- Data Mining
- Data Analysis
- Data Structures and Algorithms
- Database Administration
- Data Cleaning
- Data Visualization and Reporting
- Machine Learning Models

Github:

LinkedIn: