

# AUSTIN S. BOHLIN

Warsaw, IN | 219-851-7643 | [austinbohlin@outlook.com](mailto:austinbohlin@outlook.com) | [www.austinbohlin.com](http://www.austinbohlin.com)

## PROFILE

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- Skills: Python, Optimization, SAS, SQL, AWS, Azure, Alteryx, Power Automate, Power BI, Machine Learning
- Certification: aCAP, AWS CP, Global Competency Certificate

## EDUCATION

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### **Purdue University, Krannert School of Management**

**West Lafayette, IN**

#### *Master of Science, Business Analytics and Information Management*

**May 2023**

Data Science Concentration

- SAS Optimization Challenger 1<sup>st</sup> Place Winner

### **Purdue University**

**West Lafayette, IN**

#### *Bachelor of Science, Industrial Engineering*

**May 2020**

- Minor in Political Science and Psychological Science
- Study Abroad: Culture of Cuba, Culture of Colombia, Leadership in China

## PROFESSIONAL EXPERIENCE

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### **Smithfield Foods**

**Smithfield, VA**

#### *Advanced Data Analyst*

**June 2023 – Now**

- Revamped core departmental reporting processes by implementing end-to-end automation using Python and Power BI, resulting in a weekly time savings of 6 hours and increased data accuracy by 5%
- Engineered the ETL of core data extraction from USDA API that gave team access to 14 new data sources
- Migrate existing data storage and 3rd party API data to Azure Data Lake storage for better data management

### **Undisclosed Food Processing Company**

**West Lafayette, IN**

#### *Data Science Consultant*

**January 2023 – April 2023**

- Modeled a NPV analysis to show the feasibility of creating a new business section with an ROI of 11%
- Analyzed historic shipping data with Pandas to find potential revenue from reducing dead heading by 35%
- Presented findings and recommendations to business leaders on opening a new section of the business

### **Rockland Flooring**

**Monon, IN**

#### *Process Engineer*

**August 2020 – May 2022**

- Managed contractor timelines and scheduling to ensure on-time startup of a new \$20 million greenfield factory
- Created a CAD layout of a new factory to allow for bidding of a purpose-made line with 50% increased output
- Implemented a new product application line from a sister site to full production scale in 3 months

## ACADEMIC EXPERIENCE

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### **Computing For Analytics**

- Analyzed connections of journals using clustering, Dijkstra, and dominating set with Pandas, PuLP, NetworkX

### **Analyzing Unstructured Data**

- Performed natural language processing on product listings to perform auto tagging using a random forest
- Trained a convolutional neural network model to perform image recognition of the CIFAR10 dataset with keras
- Trained LSTM, SVM, and ANN models to predict text classification on business reviews

### **SAS Optimization Challenge (1<sup>st</sup> place)**

- Designed the fastest linear program to match players into lobbies in a battle royal game, with a 6.8 second solve time compared to 2<sup>nd</sup> places 8.6 second solve time

## LEADERSHIP ACTIVITIES, AFFILIATIONS, HONORS

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- Innovation and the Zone of Proximal Development in Engineering Education” *Journal of Engineering Entrepreneurship*, 1: 2159-6948. (along with Nick Fila, Todd Fernandez, and Senay Purzer, 2017)