

AUSTIN S. BOHLIN

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PROFILE

- MS Data Analytics student seeking a position in Data Science or Data Engineering
- Skills: Python, SAS, SQL, R, AWS, Machine Learning, Autodesk, C, MS Office
- Certification: AWS CP, Six Sigma (6 σ) Green Belt, Global Competency Certificate

EDUCATION

Purdue University, Krannert School of Management

West Lafayette, IN

Master of Science in Business Analytics and Information Management

May 2023

Data Science Concentration

- SAS Optimization Challenge 1st Place Winner

Purdue University

West Lafayette, IN

Bachelor of Science in Industrial Engineering

May 2020

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

ACADEMIC EXPERIENCE

Computing For Analytics

- Analyzed connections of academic citations from over 25000 papers using clustering, Dijkstra's path, and smallest dominating path. Work performed using 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 (1st place)

- Designed a linear program to match queueing players into multiple balanced lobbies in a battle royal multiplayer game

PROFESSIONAL EXPERIENCE

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 facility layout in CAD for a greenfield factory to allow for bidding of a purpose-made building
- Created a site map of relevant systems to allow for large scale project planning at the Monon site
- Documented and implemented a new product application process from another site to the Monon site
- Rebuilt a straight-line fence of a glue press resulting in a straighter and higher quality product

Wabash National

Lafayette, IN

Manufacturing Systems Engineer

May 2019 – March 2020

- Developed change management process to aid in management of large-scale changes
- Conducted analysis of lift gate installation to assist in process implementation at another site
- Developing a best practice sharing process to facilitate communication between sites

LEADERSHIP ACTIVITIES, AFFILIATIONS, HONORS

- "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)
- "Using Process Maps to Understand How Engineering Students Conceptualize Innovation" *2017 ASEE Annual Conference & Exposition, Columbus, OH.* (along with Nick Fila and Senay Purzer, 2017)
- Purdue Student Government Senator for the College of Engineering
- West Lafayette Traffic Commissioner for District 6