

Eric Bruch

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Education

University of Michigan, Dearborn (Online)

April 2020

- MSE in Computer Engineering
 - Concentration: Intelligent Systems and Machine Learning
- Cumulative GPA: 3.8/4.0
- Relevant courses:
 - ECE 537 Data Mining
 - ECE 579 Intelligent Systems/Machine Learning
 - ECE 5831 Pattern Recognition & Neural Networks

University of Michigan, Ann Arbor

April 2016

- BSE in Electrical Engineering
- Cumulative GPA: 3.4/4.0

Work Experience

Ford Motor Company, Dearborn, MI

2016-Present

- *Electric Powertrain Engineer*
 - Design Software Framework requirements for collecting vehicle data
 - Graph and analyze large data sets from benchmarking tests using Python
 - Help maintain software builds through Git version control

Textron Systems, Hunt Valley, MD

June 2015-August 2015

- *Electrical Engineering Intern*
 - Wrote test procedure to validate hardware design for two circuit cards
 - Wrote Python scripts to automate and speed up daily tasks

Garrison Dental Solutions, Spring Lake, MI

June 2014-August 2014

- *Summer Engineering Intern*
 - Managed second shift product testing
 - Collected data in a controlled experimental environment
 - Analyzed results of testing and provided product evaluation reports

Leadership & Involvement

University of Michigan Student United Way

University of Michigan Electric Motorcycle Racing

- Lead Electrical Engineer

Applicable Skills

- TensorFlow, PyTorch
- SQL and NoSQL databases
- AWS for Big Data storage and processing
- Regression analysis, Cluster analysis, Neural Networks, and Decision Tree experience
- C++, Java, Python
- Jupyter notebooks
- Apache Spark, Hadoop