

## EXPERIENCE

### Purdue University Northwest

MAR. 2020 - CURRENT

#### Student Machine Learning Researcher

- Using word2vec on the COVID-19 Open Research Dataset (*Python, Tensorflow, word2vec, Ubuntu, NLTK*)
- Research in visualizing multi-dimensional word embeddings(*Tensorflow, vec2graph, Reinforcement Learning, DNN/CNN*)

### Purdue University Northwest

SEPT 2018 - NOV 2019

#### Security Specialist

- Responded to incidents involving *spam/phishing emails, compromised accounts, suspicious network activity*.
- Wrote code to parse unorganized reports (*Python, Pandas, Anaconda*)
- Record keeping of weekly firewall reports and malware scans (*Checkpoint, Malwarebytes, McAfee*)
- Assisted in the creation of weekly "Security Tips" sent out to all faculty, staff, and students

### All Information Services Inc. (AIS)

MAY 2017 - AUG 2017

#### Junior Network Analyst

- Installed networking equipment for a public school district (*Access Points, Switches, Racks*)
- Organized data closets

## PROJECTS

### Predicting The Migration Path Of Birds Using Deep Learning

JAN 2020 - MAY 2020

- Goal was to use predict the path of White Storks given geospatial and temperature data
- Developed various models (K-Means clustering with a Logistic Regression, Neural Network, and a Deep Neural Network, Hidden Markov Model, and Recurrent Neural Network) to create predictions (*Pandas, Numpy, K-Means, Tensorflow, Logistic Regression, NN, DNN, HMM, RNN*)

### Sentiment Analysis Of CORD-19 Dataset

JUNE 2020

- Performed sentiment analysis to extract positive and negative words (*Python, Spacy, SciSpacy, NLTK*)
- Marked papers as positive and negative(*Python, Spacy, Scispacy*)

### Data Analysis And Visualization

DEC 2019

- Parsed an XML document using Python to visualize data (*Python, Pandas, Matplotlib, XML*)

### Multi-Node Hadoop Cluster

APRIL 2019

- Configured a multi-node Hadoop cluster to run MapReduce on various books (*Linux, Hadoop*)

## ACADEMIC ACCOMPLISHMENTS

### Dean's List

#### Acquired:

Fall 16, Spring 17, Fall 17, Spring 18,  
Fall 18, Spring 19, Fall 19, Spring 20

### Semester Honors

#### Acquired:

Fall 16, Spring 17, Fall 17, Spring 18,  
Fall 18, Spring 19, Spring 20

## EDUCATION

### Purdue University Northwest

AUG 2016 - MAY 2020  
GPA: 3.71 (CUM LAUDE)

#### Bachelor's

Computer  
Information  
Technology

### Purdue University Northwest

PRESENT - SPRING 2021

#### Master's

Technology, MS

## SKILLS

Python, Linux, Tensorflow, Numpy, Pandas, PyTorch,  
MySQL, Scikit-Learn, Neural Networks, DNN, RNN, CNN,  
Reinforcement Learning, NLTK, NLP, Web Crawlers, C,  
JavaScript, HTML