

DEVON KOHLER

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EDUCATION

Northeastern University, Boston, MA

Khoury College of Computer Sciences GPA 4.0/4.0

Sep 2018 - Present

Candidate for a Masters of Science in Data Science

Expected Graduation Dec 2020

Related Courses: Supervised Machine Learning, Unsupervised Machine Learning

Union College, Schenectady, NY

Bachelor of Arts in Economics, Minor in Political Science

Jun 2013

TECHNICAL KNOWLEDGE

Languages: Python, R, SQL, GitHub, Keras, Scikit-learn

Database: Microsoft SQL Server, MySQL, MariaDB

RESEARCH EXPERIENCE

Research Assistant, **Northeastern University, Boston, MA**

Apr 2020 - Present

- Developed statistical and computational methods for proteomic research
- Built the publicly available R package MSstatsTMTPTM, which detects differentially abundant post translational modifications (PTM) collected via tandem mass tag (TMT) labeling

WORK EXPERIENCE

The TJX Companies, Framingham, MA

Jan 2020 - Mar 2020

Data Science Graduate Coop

- Implemented a machine learning model to predict online sales for the Sierra brand using Facebook's Prophet algorithm, surpassing the performance of the company's existing sales projection
- Designed an algorithm to model customer churn across TJX's websites, using each customer's purchasing history to create a unique CDF and marking them as churned when they reached an abnormally large time between purchases

Northeastern University, Boston, MA

Sep 2019 - Dec 2019

Graduate Teachers Assistant, Algorithms

- Assisted in running a masters level Algorithms class, conducting office hours, running a weekly recitation, and grading assignments

Cybba Inc. (formerly VeInteractive), Boston, MA

Nov 2015 – Oct 2019

Data Analyst

- Implemented a data management process for deriving product's performance metrics, using SQL and Python, allowing internal and external users to evaluate performance and gain insights
- Designed and built a sales calculator using linear regression to predict how a product will perform when implemented, helping the sales team close deals and creating more accurate revenue forecasts
- Created a process for AB testing products, demonstrating a significant impact on conversion rate

CLASS PROJECTS

Supervised Machine Learning, **Northeastern University, Boston, MA**

Jan 2019 - Apr 2019

- Evaluated classifier algorithms, such as boosted decision trees and neural networks, to predict whether an individual would experience heart disease

Unsupervised Machine Learning, **Northeastern University, Boston, MA**

Sep 2019 - Dec 2019

- Performed NLP on a variety of news articles and used clustering to discover articles with high similarity