

Yitong Sun

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EDUCATION

Tufts University, Medford, Massachusetts

August 2020 - May 2022

Master of Science in Data Analytics; Minor: Statistics (3.9/4.0)

SKILLS

Programming: Excellent in Python, R, SQL, Spark. Proficient in MATLAB, Java, HTML web development

Data Analytics: Salesforce, Alteryx, AWS, Data Mining, Probability and Statistics

Tools/Database: PowerBI, Tableau Prep Builder, SSMS, SSIS, MySQL, Azure Data Factory, MongoDB, SAS

Other Skills and Certificate: Git, Microsoft Azure, Network Optimization, Tableau Desktop Specialist

WORK EXPERIENCE

Data Analytics Co-Op in Ahold Delhaize, Boston, MA

June 2021 – December 2021

- Developing and optimizing Inbound Purchase Order (PO) Prioritization model using Azure DataBricks in Agile work environment, and I am scrum master for multiple sprints. The model is now embedded in company processes and increases the overall warehousing efficiency by 40%. The proposed quantification algorithm resulted higher accuracy for Distribution Center receiving PO on time in full.
- Building geospatial network model for 20 potential self-driving truck terminus to achieve lowest transportation cost using network optimization. Building 2 web applications to present cost-benefit analysis for over 1000 ADUSA transportation routes.
- Designing product and vendor relational databases for automatic inventory management control which is compatible with Smart Shelf technology. Formed product requirement white paper.

Premier Support Engineer in Zones Nfrastructure, Menands, NY

November 2019 - July 2020

- Collaborated with the Microsoft Product Group to perform root cause analysis and helped rolling out new features including Conditional Access for macOS. Configured Microsoft 365 cloud services to ensure third-party apps working properly and received feedback of 97% client satisfaction.

Data Science Intern in Waysun Inc, Orlando, FL.

March 2019 – November 2019

- Extracted, preprocessed spam email header data, and identify potential spam domains. Built natural language processing (NLP) model to analyze spam email pattern and compared results from different methodologies.
- Analyzed Teams activity with Microsoft audit log data to identify different employee work pattern which provided insights for management to make administrative decisions.
- Built and implemented linear regression models to predict e-sports user logging in and off behaviors and created Tableau dashboard to showcase forecasting results.

Teaching Assistant in Tufts University, Medford, MA

September 2021 – Present

- Holding lab sessions covering topics: introductory data visualizations, Advanced Tableau skills, Tableau Prep Builder, Introductory and Advanced SQL.
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PROJECT EXPERIENCE

Data Science and Visualizations, Tufts University, Medford, MA

- Performed exploratory data analysis to analyze correlations between different features on datasets collected by Stack Overflow from 100,000 users in 2018.
- Applied Neural Network model with different optimization methodologies such as hyperparameter tuning and grid search for prediction. Assessed models by MSE and R square using TensorFlow in Python. Concluded that salary and psychological competency are significant features regarding career satisfaction.