

Jing Zhang

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EDUCATION

Cornell University, College of Engineering

Bachelor of Science in Operations Research and Informational Engineering

Master of Engineering in Data Analytics

Undergraduate GPA: 3.46

Coursework: Big Messy Data, Programming & Data Structure, Tools for Operations Research (Machine Learning & Data Science), Intro to Data Science, HarvardX-Data Science (Machine Learning), Probability & Stats, Optimization, Web Design & Programming

Ithaca, New York

Graduated December 2021

Expected January - December 2022

EXPERIENCE

Braze, Inc.

Data & Analytics Intern

New York, New York

June 2021 – August 2021

- Manage 2 agile projects concurrently on investigating mobile messaging products in order to improve user's rate of adoption with the Product Marketing team and examining unidentified inbound accounts with the Sales Operations team
- Track data from Looker visualizations to data stack and using advanced Looker developer functionality to create visualizations with thousands of internal and external data for the Business Intelligence team to better customize internal Looker home page
- Perform data analysis using SQL through Snowflake to identify trends of data requests within Jira to improve the process
- Build aggregation pipelines to query terabytes of data across 300 databases from MongoDB of user information and using the PyMongo connector to output relational data in Excel

Wegmans Food Markets, Inc.

Analytics Intern

Ithaca, New York

November 2021 – May 2022

- Analyze inbound supply process to balance service and efficiency

Aabix Corp

Data Science Intern

Ithaca, New York

April 2021 – May 2021

- Implement fault detection algorithms on real-time data, improve database features, managing and developing a growing community of users, and shaping brand identity
- Eliminated and predicted various threats within homes, such as mold growth across a certain period of time using Pandas and NumPy

Project Resolve

AI Developer Intern

Remote

Jan 2021 – Feb 2021

- Research available resources in performing machine learning linguistic analysis
- Perform data extraction and sentiment analysis while utilizing existing Natural Language Processing APIs

PROJECTS

Big Messy Data: Loan Approval Project

Fall 2021

- Evaluated the fairness of loan approval process within the financial institution, Bank of America, based on the 2018 HMDA dataset which consist of 377468 samples and 99 features

Simulation Modeling and Analysis: helicopter Transport Operations Optimization Project

Fall 2021

- Optimized the response time of helicopter emergency transportations in Upstate New York with a simulation model of the varying helicopter locations and number of helicopters employed

Practical Tools for Operational Research: Data Visualization & Analysis Project

Spring 2020

- Examined the YouTube dataset by using Tableau to create visualization of interesting correlations and findings
- Utilized machine learning algorithms such as Linear Regression, Forward Subset Selection, XGBoost, and Random Forest to predict how many days a video stays trending based on views, number of comments, tags, likes and dislikes, and other variables

LEADERSHIP & CAMPUS INVOLVEMENT

Society for Women Engineers

Grant & Fundraising Committee

Ithaca, New York

September 2019 – Present

- Analyze potential partnerships and companies whose value aligns with our club's value and reach out for potential collaborations such as grants, guest speakers, networking events and others
- Plan and execute fundraising events with responsibilities of organizing fundraising income, order request, event attendance, and reimbursement form

Kappa Phi Lambda Sorority, Inc.

Service Chair

Ithaca, New York

December 2019 – December 2020

- Schedule and coordinate service events for over 40 organization members. Organize required documentations before the deadline
- Spearhead the *Prisoner's Express* initiative by assigning over 20 letters to members and providing prisoners with meaningful communication

Cornell Women's Club Basketball

Member

Ithaca, New York

September 2018- Present

SKILLS & INTERESTS

Languages: English (native), Mandarin (fluent in Traditional and Simplified)

Skills: Python (Pandas, NumPy, Scikit-learn, SciPy, Matplotlib), SQL, RStudio, Looker, Tableau, Microsoft Excel (Pivot Tables, VLOOKUP, VBA), Java, HTML/CSS, Amplitude, Microsoft Word, Microsoft PowerPoint