

HANG TRAN

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EDUCATION

Cornell University

August 2023 - May 2024

Master of Engineering in Operations Research and Information Engineering | GPA:3.6

New York, NY

Relevant Coursework: Optimization Methods, Modeling Under Uncertainty, Data Science in the Wild, Designing Fair Algorithms

Baruch College

January 2021 - May 2023

Bachelor of Business Administration in Computer Information Systems | GPA:3.5

New York, NY

Concentration: Data Analytics, **Minor:** Psychology

TECHNICAL SKILLS

Coding Languages:

SQL, Python

Libraries/Other Tools:

NumPy, Pandas, PySpark, Matplotlib, Tableau, Power BI, Advanced Excel

Operating Systems:

Linux, Mac, Window

EXPERIENCE

Memorial Sloan Kettering (MSK) Cancer Center

June 2023 - August 2023

Data Analyst Intern

New York, NY

- Leveraged Excel (VLOOKUP, Pivot Table) to analyze redundancies over 20K dataset on ServiceNow database
- Participated in daily Portfolio Planning meetings within Business Management Team and analyzed 2023 MSK salary budget
- Optimized asset data and identified MSK 2023 financial discrepancies by eliminating invalid entries and reducing record size from 229k to 191k data
- Consolidated multiple Excel file and performed comprehensive data analysis

Credit Suisse

January 2022

Data Analyst Intern

New York, NY

- Led a team of 5 interns on a cryptocurrency market study, enhancing user demographic understanding; streamlined weekly analytics reporting and daily mentor sync-ups; and presented findings on consumer trends to executives
- Collected, analyzed, and interpreted a 20k web traffic dataset by using PySpark, SQL, and Excel on Databrick

ASAPP, Break Through Tech AI Studio

August 2022 - December 2022

Project Member: Agent Checklists: Intent Recognition

New York, NY

- Engineered, trained and evaluated 7 ML models to predict workflows an agent must go through; aligned with leadership to deploy an optimal customized model for clients
- Reviewed and preprocessed (over 10k data lines) for testing by tokenization, stemming, and lemmatization
- Collaborated with 5 team members to maintain the project timeline and task deadlines

PROJECTS

Diabetes Prediction

January 2024 – May 2024

- Implemented machine learning models (Naive Bayes, Logistic Regression, SVC, Light-GBM) for diabetes prediction, selecting Light-GBM for its superior AUC of 0.82
- Improved model fairness by removing the age feature, resulting in a more balanced False Negative Rate (FNR) across age groups without compromising overall accuracy

Cornell Tech Product Studio: Mental Health Services for Young Adults

August 2023 - December 2023

Product Sponsor: Tata Consultancy Services (TCS). Project Objective: Developing a specialized health insurance platform specific to young adults

- Developed and tested a market research telehealth website to investigate pricing sensitivity of young adults purchase mental health services outside of their health insurance plans
- Analyzed market research data using Python and applied ML models to identify keys mental health services specific to young adults needs

Movie Recommendation System Challenge

January 2023 - May 2023

- Developed and optimized a ML model to predict movie ratings, using data preprocessing, feature engineering, and regression algorithms, significantly improving prediction accuracy
- Applied TF-IDF vectorization and hyperparameter tuning, leading to a 15% increase in model performance and successful integration into a movie recommendation system
- Award:** Won 1st place for the New York Area in a Google-sponsored Kaggle competition

LEADERSHIP

Ascend Baruch Chapter

October 2021-May 2022

Assistant Vice President of Social

New York, NY

- Spearheaded weekly meetings with 30 social committee members to plan and brainstorm new social ideas for a national-wide professional network
- Directed 20 social events every semester on PowerPoint in front of +60 club members
- Met 30+ new students to help them get connected with Ascend and job opportunities