

Kevin Ng

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EDUCATION

New York University

Brooklyn, NY

Bachelor of Science in Computer Science, Minor in Math

Sept. 2020 – May 2024

- Relevant Coursework: Algorithmic Machine Learning and Data Science, Processing Big Data for Analytics Applications, Artificial Intelligence, Intro to Machine Learning, Intro to Databases

EXPERIENCE

Data Engineer Intern

May 2023 – Aug 2023

PepsiCo

Purchase, NY

- Implemented ETL scripts with pySpark API on Azure Databricks to preprocess 4+ million data points, driving machine model training and delivering beverage revenue insights.
- Developed a linear model with 7% MAPE score for beverage price elasticity on 4+ thousand data points, meeting critical business demands using sklearn and SQL.
- Successfully executed lift-and-shift from legacy Azure CRM architecture with a team of 6+ data engineers and architects by reporting and performing data pipeline validations and table migrations.

Software Engineer Intern

Aug. 2022 – Sep. 2022

HABNET Chamber of Commerce

Brooklyn, NY

- Launched and co-developed cross-platform mobile app connecting 400+ New York businesses.
- Enhanced user experience by designing mobile app views and stack navigation.
- Developed merchant profile list, search bar, and database via React Native, Firebase.

Software Engineer Intern

June 2022 – Aug. 2022

AiTudier

Nashville, Tennessee

- Built product website for patented computer science curriculum technology with a team of 6 interns.
- Implemented pricing pages, user portal, login, and registration interface via React.js and Material UI.
- Maintained codebase on GitHub by reviewing 500+ lines of code for responsiveness and accessibility.

PROJECTS

Toxic-Tweets | *Hugging Face, Docker, pyTorch, pandas, numpy, sklearn*

Mar. 2023 – May 2023

- Deployed 3 natural language processing models on hugging face spaces to perform text sentiment analysis.
- Achieved 92% test accuracy by fine-tuning a multi-headed distilBERT model to classify toxic online comments.
- Created docker images of ML models and dependencies for easy deployment and scaling on cloud infrastructure.

Netflix IMDB Score Predictor | *numpy, pandas, matplotlib, seaborn, sklearn*

Mar. 2023 – Apr. 2023

- Researched performance of 3 machine learning models in predicting Netflix show IMDB scores in a team of 2.
- Reduced classification bias by 20% by preprocessing data with transformation and balancing techniques.
- Achieved 92% test accuracy by fine-tuning multiple models and identified SVM model as best performing model.

Air Ticket Reservation System | *Python, Flask, React, MySQL, Git*

Nov. 2022 – Dec. 2022

- Co-developed a database-driven server-side web application to simulate air ticket reservations internationally.
- Designed relational database and RESTful API for customer search, reservation, and admin management features.
- Contributed 1000+ lines of codes and performed unit tests on customer application functionality.

TECHNICAL SKILLS

Languages: Python, JavaScript, C/C++, SQL, HTML/CSS

Frameworks: Express.js, React Native, Flask, Mocha, pyTorch, Keras

Developer Tools: Git, Node.js, Docker, Azure, Databricks, Spark, GCP, MongoDB, Hugging Face

Libraries: React, Socket.IO, Material-UI, Mongoose, Pandas, Sklearn, Numpy, Seaborn, Matplotlib

Certifications: AZ-900

OTHER SKILLS

All: Mobile/Web Development, ML Model Development, Project Management

Languages: English (Native), Cantonese (Intermediate), Mandarin (Intermediate), French (Beginner)