Xing Chen

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EDUCATION

Hunter College — December 2024
Bachelor of Arts in Computer Science, Minor in Math — 3.8/4.0 GPA

EXPERIENCE

KPMG — August 2023 - Present
Machine Learning Project — New York, NY
- Collaborating with 4 other team members to predict gender inequality in different geographical areas using various machine learning models on US government data sets.
- Identifying factors related to gender inequality to present findings to KPMG leadership for government entities.

Unadat — June 2023 – August 2023
Fullstack Software Developer Intern — New York, NY
- Used PHP, jQuery, SQL, and AJAX requests in an agile environment to drive user engagement by developing a "Social Challenges" feature; a way for users to set personal financial goals with friends.
- Collaborated with a 5-member UI/UX design team to conceptualize and implement user-centric designs enhancements for a web application, improving overall user experience and usability.
- Established MySQL database communication and reduced query calls, improving query time by up to 70%.

NYC Department of Youth and Community Development — June 2022 – August 2022
Information Technology Intern — New York, NY
- Deployed a SQL Server Reporting Services report with user-defined filters to accelerate the retrieval of customer data for internal users and provided insights across 10+ years of relevant data.
- Updated internal databases with improved descriptions for over 100 reports to enhance readability and understandability for a team of 10.

ACTIVITIES

Machine Learning Fellow, Break Through Tech @Cornell Tech — June 2023 – Present
- Selected from 1500+ applicants to participate in an intensive 18 month program to gain hands-on experience in machine learning and AI algorithms, methodologies, and frameworks.
- Employed Python and scikit-learn with Jupyter Notebooks to train machine learning models to predict 'confidence in national government' using the World Happiness Report dataset, improving model accuracy by over 35%.

Google Software Engineering Program (G-SWEP) Participant, BASTA — July 2023 – Present
- Selected to participate in 10 weeks of rigorous, technical mentoring sessions with a Google SWE and attended workshops designed to enhance technical problem-solving and interview skills.

PROJECTS

EquityTrace | *MongoDB, Express.js, React.js, Node.js, Tradier API, Redux* — April 2023 - July 2023
- Designed and developed a full-stack web application leveraging the Tradier API to facilitate real-time stock data retrieval, responsive updating of search results per user input, and enabled users to trade and track stocks.
- Developed RESTful APIs to securely retrieve, store, and manage data, and handle user authentication.

TickStock | *Android Studio, Back4App, Kotlin, Polygon API* — March 2022 - April 2022
- Led 2 team members to develop a fullstack Android application that provides real-time financial news, stock prices, and other features, leveraging Polygon API for accurate stock data retrieval.

TECHNICAL SKILLS

Languages: JavaScript, Python, C++, PHP, Kotlin, SQL, HTML/CSS
Frameworks: React, Node.js, Express.js, Redux, Material-UI, Bootstrap
Developer Tools: Git, VS Code, Android Studio, Jupyter Notebook, Postman, Asana, Jira
Databases/Libraries: MongoDB, MySQL, Firebase, Pandas, NumPy, Matplotlib, Scikit-Learn, Selenium
Certifications: Machine Learning Foundations - Cornell Tech (August 2023), Android Development with Honors - Codepath (April 2022)