Xinyue Su

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EDUCATION

Stony Brook University   **Stony Brook, NY**
BS in Computer Science, BS in Applied Math and Statistics | GPA: 3.95   *May 2023 - December 2026*
- Organizations/Awards: Honors College, Computer Science Honors Program, Women in Computer Science

Cornell University   **Ithaca, NY**
Machine Learning Foundations Certificate, Breakthrough Tech AI | GPA: 99/100   *May 2024 -August 2024*

SKILLS & INTERESTS

Languages: Python, SQL, Java, JavaScript, TypeScript, C/C++, Swift, HTML, CSS

Libraries & Platforms: Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib, Seaborn, FastAPI, React, Node.js, Express, Docker, Git, MongoDB, Redis, Qdrant

Cloud/Data: Google Cloud, OpenAI API, SerpAPI, SQL, REST APIs

WORK EXPERIENCE

EyeCanDo (HCI Lab)   **Stony Brook, NY**
Frontend Developer & UI/UX Developer   *February 2025 – May 2025*
- Redesigned and deployed the research lab's website using HTML, CSS, JavaScript, and Figma, improving accessibility and responsiveness across devices
- Collaborated with UX researchers to align the interface with user behavior findings, enhancing user usability

JP Morgan Chase   **New York, NY**
AI Studio Fellow   *August 2024 - December 2024*
- Designed and developed an AI-powered investment recommendation chatbot that evaluates the success probability of startup companies using Crunchbase data using React and Node.Js
- Led data preprocessing, feature engineering, and developed a pairwise neural network to model startup success (93% accuracy)
- Collaborated in Agile sprints with business, design, and tech teams to iterate and present business-ready insights
- Applied advanced data wrangling and modeling skills in a production-grade setting

Breakthrough Tech AI   **New York, NY**
AI/ML Research Fellow   *May 2024 – May 2025*
- Selected from 3000+ applicants for a year-long AI/ML fellowship focused on real-world applications in tech and finance
- Contributed towards 12-month long program including Machine Learning Certificate with Cornell faculty, experiential learning experiences, and mentorship from industry professionals
- Built scalable ML pipelines and delivered prototype solutions for partner companies
- Trained on model interpretability, ethics in data science, and analytical storytelling through Cornell-led instruction

PROJECTS

Full-Stack Meal Planner Chatbot App   **Jun 2025 - Present**
- Built a chatbot using FastAPI, OpenAI API, and Qdrant (semantic vector search) to recommend meals based on dietary constraints
- Integrated Redis for session caching, Google TTS for voice support, and React dashboard for data visualization
- Engineered logic for real-time calorie tracking and user preference analytics

WiDS Kaggle Challenge   **Feb 2025 - Apr 2025**
- Engineered ML models for ADHD and sex classification from neuroimaging data; ranked top 0.03% on Kaggle and #1 in Breakthrough Tech program
- Led neural network modeling in ADHD and sex prediction from neuroimaging data. Applied explainability tools to interpret brain activity linked to ADHD and gender

Machine Learning Model on NY Airbnb Pricing Prediction   **July 2024 - August 2024**
- Analyzed 60,000+ listings to model Airbnb pricing using user reviews and text-based features
- Performed data wrangling, NLP feature engineering, and regression modeling with scikit-learn and pandas
- Achieved 90%+ predictive accuracy and uncovered pricing insights for hosts based on listing language