Puran (Elaine) Lyu

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EDUCATION

New York University   Sept. 2021-May 2025
- *Global Liberal Studies Program (intended: major CS, minor DS)*
- *GPA: 3.572/4.0*
- *Relevant Coursework: Linear Algebra, Calculus I&II, Introduction to Data Science, Intro to Computer Science, Data Science for Everyone, Discrete Mathematics, Introduction to Computer Programming*

RESEARCH & PROJECT EXPERIENCE

Machine Learning Fundamentals and Research   **MA, USA**
Remote Research Project/ Team Leader   Advisor: Prof. Mark Vogelsberger (MIT)   Feb. 2023
- Explore the commonly employed techniques and methods of machine learning and data science
- Implement SVM algorithms, regression machine learning and decision trees, and conduct comparisons of different forms of gradient decent implemented
- Present all technical details and the implementation through structured reports and oral presentations

PhoneBook Application   **NY, USA**
Group Project/ Team Leader   Nov. 2022
- Led a team of three in the design and development of a Java phonebook application that collects information and responds based on the user's selection
- Ensured that users and administrators could log in to their accounts with their designated groups and perform actions including various search algorithms, sorting and editing specific values
- Enabled the application to read and match credentials from files to identify which groups the users truly belong to

TEACHING EXPERIENCE

Shinyway Education, Hangzhou, China   Jan. 2021-Mar. 2021
Teaching Assistant
- Tracked attendance, prepared lessons, like collecting and distributing materials, and conducted dictation
- Supervised students in class, attended to students' issues and dealt with them promptly together with Teachers
- Assisted Teachers in assessment, record keeping and mock exams; provided timely feedback on students' learning to parents and Teachers
- Answered students' questions after class, and motivated them for better academic results

SKILLS AND INTERESTS

Computer Skills: Python, Java
Interests: Playing the Piano, Photography, Painting