JING (CHRISTINA) JIANG

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EDUCATION

New York University, Tandon School of Engineering, New York, NY   May 2027
Bachelor of Science, Computer Science; Data Science (Minor)
Overall GPA: 3.92

EXPERIENCE

Research Program, **Feasibility of Solar-powered Devices Underwater Surrounding NYC,** Jun.– Aug.2024
- Programming calculation of solar cell efficiency by python on Spyder
- Testing the absorbance of water samples collected using UV-VIS spectrophotometer
- Analyzing data and forming a graph to discuss the feasibility

Research Program, **Water Pollution, Water and Wastewater Treatment systems,** Online   Jul.– Oct.2022
- Learned integrated process of calculations from UCLA professor Jiann-Wen Ju
- Examined contaminants in different water systems
- Design an anaerobic pond and facultative pond for Galapagos Islands with group members

Competition, **Computational and Algorithmic Thinking,** Online   May. 2022
- Focused on the skills behind computer programming and algorithm design
- Built on advanced logic and programming skills through practicing questions

LEADERSHIP & ACTIVITIES

Member, **Flexible AI-enabled Mechatronic Systems Lab**   Jan. 2025 – present
- Exploring Gaussian Splatting SLAM and colonoscopy algorithm applications in lung models to enhance medical imaging and miniaturize solutions
- Testing and comparing different algorithmic states, integrating soft robotics for enhanced lung model navigation for medical, industrial and educational applications

Founder, **Environment Club**   Sept. 2020 – Jun. 2023
- Organized and hosted weekly meetings to raise students' environmental awareness
- Planned campus environmental protection activities, such as environmental awareness contests

SKILLS

- **Technical:** Python, C++, HTML, CSS, Microsoft Excel, Word, PowerPoint, Revit, AutoCAD
- **Communication:** Fluent in Mandarin and English, experience in presenting research and meetings
- **Data Analysis**: Expertise in data visualization, data collection, and scientific reporting
- **Administrative & Office Management**: Data entry, record-keeping, report generation, spreadsheet management