LIN JING LIU

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EDUCATION

Cornell University   Ithaca, New York
Computer Science, School of Engineering   Jun 2025
Dean's List Fall 2021, Relevant Coursework: Object-Oriented Programming & Data Structures, Discrete Structures, Engineering Applications of Operations Research

Brooklyn Technical High School   Brooklyn, New York
Software Engineering Major, Top 10 Scholar **GPA: 101.98**   Sep 2017-Jun 2021
Relevant Coursework: AP Computer Science A (Java), IT Infrastructure and Big Data, Web Development, and Digital Electronics

PROFESSIONAL EXPERIENCE

STEM Kids NYC   New York City, New York
STEM Teacher   Jul 2020-Present
- Design an app prototype to highlight and raise awareness of inequality in the educational system
- Develop co-teaching and independent teaching expertise by teaching coding to elementary school students via Zoom and helping the students to create their app or program surrounding a social justice issue
- Assist in 4 different classrooms focusing on app development and graphic design during the summer

Office of Spirituality and Meaning-Making (OSMM)   Ithaca, New York
Student Assistant   Aug 2021-Present
- Support the technological side of office work, including designing posters, formatting signs, and working with other related software
- Provide one-on-one customer service to students and guests who come to the office

Literary Leader Teens Apprenticeship Program   New York City, New York
Teaching Intern   Sep 2019-Jun 2020
- Develop awareness of inequity in education system in the NYC area and create initiatives in response
- Conduct read aloud, guide students in independent readings, and coach them during enrichment activities and games that build literacy skills

EXTRACURRICULAR ACTIVITIES

Member of CS Subteam, Cornell Cup Robotics Project Team   Oct 2021-Present
- Develop the chatbot GUI (ongoing project) using React framework to provide an interactive and dynamic interface for users to work with, implemented with speech recognition in the backend
- Refine and test the Minibot GUI to provide critical feedbacks and documentations for future updates, with the aim of improving user experience

Participant, Google Computer Science Summer Institute   Jul 2021-Aug 2021
- Complete an introductory project-based JavaScript processing curriculum taught by Google Engineers
- Configure individual coding projects in JavaScript using concepts such as variables, data types, arrays, conditionals, loops, and functions
- Attend product design, resume development, and software engineering interview workshops

Community Intern, Inspirit   Jul 2021
- Initiated and organized events for high school students intended to increase interests in STEM
- Execute digital marketing through social media and connection with outside organizations to gather participants for these online events

Student Researcher, Weston Scholar Research Program   Sep 2018-Jun 2021
- Compose research papers that target the effects of social determinants of health on physical, mental, and dental health, and cofounders that exist in the relationship of fast food and obesity
- Review scientific literature articles, extract data from public survey with more than 9,000 cases, investigate data using sophisticated statistical measures, and present research at science competitions

AWARDS
- Congressional App Challenge 2019 District Winner
- Terra NYC STEM Fair Finalist (2021)
- JYEM Research Competition Finalist (2021)

SKILLS
- Coding in Java, JavaScript, HTML, CSS, bash, MySQL
- Technical tools: Canva, Tableau, code.org, Earsketch,
- Fluency in Mandarin