

Shannon Liu

56 Jersey Avenue, Edison, NJ | (908) 449-7872 | sjl356@cornell.edu
<https://www.linkedin.com/in/shannon-liu-23b8a4134/>

EDUCATION

- Cornell University, College of Engineering**, Ithaca, NY *Expected May 2027*
- Bachelor of Science in Computer Science
 - Coursework: Object-Oriented Programming and Data Structures, Introduction to Operations Research
- John P. Stevens High School**, Edison, NJ *May 2023*
- GPA (weighted): 5.5/6.0
-

SKILLS

- Programming Languages: Java, Python, Tensorflow, NumPy, Raspberry Pi, Rust, C++, JavaScript
 - Languages: English, Mandarin
-

EXPERIENCE

- Cornell University Unmanned Air Systems**, Ithaca, NY / Software Subteam Member *October 2023–Present*
- Created software for controlling the gimbal and camera of an unmanned aircraft, scheduling image capture, transmitting and managing image and mission data to a ground server
- Jersey Drone YouTube Channel**, Remote / Founder, Drone Pilot, Videographer *December 2019–Present*
- Filmed, edited, and uploaded aerial footage biweekly on <https://www.youtube.com/c/JerseyDrone>
- Marlboro Learning Center**, Remote / Instructor, Class Coordinator, Website Developer *July 2023–Present*
- Taught students Python programming and SAT (reading, writing, and math)
 - Communicated class information between students, parents, and teachers through website content
- PALS Learning Center**, South Plainfield & Edison, NJ / Instructor, Grader *February 2023–August 2023*
- Tutored students from K-12 and graded students' homework assignments to ensure full understanding of coursework
- Trillium Labs**, New York, NY / Software Engineer Intern *July 2022*
- Developed 4 simulators, improved 2 existing simulators, and created various auxiliary classes to imitate buying, borrowing, and selling stocks for testing purposes in a financial technology service company
 - Gained Java programming experience, problem-solving, and collaboration skills in an office environment
-

LEADERSHIP

- Regalis Yearbook Club**, Edison, NJ / Editor-in-Chief, Photography Editor *June 2021–June 2023*
- Led the production of the yearbook, supervised staff photographers at school events, created content and designed the cover and layout, conducted photoshoots for yearbook dividers
- Hawkeye Newspaper Club**, Edison, NJ / Photography Editor *June 2022–June 2023*
- Managed staff photographers, photographed school events/activities, contributed photographs to the newspaper, communicated between different departments for necessary photo opportunities
-

CERTIFICATES

- Inspirit AI Ambassador *June 2023*
 - Inspirit AI Scholar *July 2022*
 - The Recreational Unmanned Aircraft Systems Safety Test (TRUST) Certification *July 2022*
 - freeCodeCamp Scientific Computing with Python Developer Certification *June 2021*
-

INTERESTS

- Drone flying, photography, video editing, running, hiking, skiing