

YEN LIN (ALLEN) LU

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EDUCATION

New York University

Expected May 2026

Bachelor of Science in Math & Computer Science; NYU Tandon Dean's List

GPA: 3.73/4.00

University of California, Irvine

Sep 2022 - Jun 2023

Bachelor of Science in Math; UCI Dean's Honor List

GPA: 3.99/4.00

Relevant Coursework: Machine Learning, Operating Systems, Design and Analysis of Algorithms, Databases, Computer Architecture, Object Oriented Programming, Data Structure & Algorithm, Applied Statistics, Math Modeling

PROJECTS

Airline Ticket Reservation System | Python Flask, SQL, HTML

Sep 2024 - Jan 2025

- Designed an online flight booking system with distinct functionalities for customers and airline staff accounts
- Developed a Flask-based API with MySQL, efficiently managing client requests and database interactions
- Designed an intuitive user interface using HTML and CSS to enhance user experience

NYU RoboMaster Team UltraViolet - Member; Brooklyn, New York

Aug 2023 - Dec 2023

- Engineered embedded software for robot controls using C++ within the ROS framework
- Captured and promoted robot content on Instagram and the website, boosting online visibility among 600+ followers
- Conducted outreach to corporate sponsors, securing financial support for team projects and resources

EXPERIENCES

NYU IT- Student Product Support Analyst; New York, New York

Oct 2024 - Present

- Test and troubleshoot NYU Brightspace updates pre-deployment, ensuring smooth transitions for 80,000+ users
- Develop training materials and documentation while managing user support and delivering live Brightspace training

Freelance Mathematics Tutor - Tutor; Brooklyn, New York

Jul 2022 - Present

- Delivered tailored math tutoring services in mathematics and designed practical math topics for hands-on application
- Facilitated success for over 10 tutees by assisting them in passing introductory calculus courses and exams

SportsBuddy.ai - Software Engineer Intern; Boston, Massachusetts (Remote)

Jun 2024 - Aug 2024

- Developed and launched a responsive website using HTML, CSS, and JavaScript, attracting 1,500+ daily views
- Conducted product testing and resolved 20+ client issues, boosting performance and user satisfaction
- Created and optimized technical videos, amassing 30,000+ views and streamlining product onboarding

Hersheen Enterprise - Engineering Intern; Taiwan

Jul 2023 - Aug 2023

- Redesigned the company's website using HTML and WordPress, leading to an increase in 1000+ daily viewers
- Monitored water jet cutting robot machines and automatic 3D gluing machines to ensure quality and accuracy
- Created 3D carpet models in Catia for manufacturing and assembled complex structures by integrating multiple parts

LEADERSHIP

Applied Math Club - Secretary / Treasurer; Brooklyn, New York

Jun 2024 - Present

- Oversee a \$2,000 budget per semester, ensuring accurate financial records for the newly established club
- Plan and coordinate 5+ external events, including workshops, panels, and mixers to build the club's reputation
- Record meeting minutes and maintain comprehensive records for the club's long-term credibility

SKILLS

- Programming Language & Tools:** Python, C++, HTML, C, R, SQL, CSS, JavaScript, Git, NumPy, LaTeX
- Software:** Microsoft Office Suite, G Suite, MATLAB, ERP, Catia, Adobe Lightroom, Adobe Photoshop, Canva
- Language:** English (Native), Mandarin (Native)