

Victor Wang

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EDUCATION

New York University, Tandon School of Engineering

Sep 2023 - May 2027

B.S. in Computer Science, Minor in Mathematics, GPA: 3.54/4.00

New York, NY

- **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Computer Architecture, Linear Algebra, Artificial Intelligence, Databases, Operating Systems

WORK EXPERIENCE

President Securities Corp.

May 2026 – Present

SWE Intern

- Built an event-driven **C#** ingestion pipeline processing 4,000+ daily orders and execution events from a proprietary trading API, normalizing and persisting records to **Microsoft SQL Server**.
- Automated recurring data-cleaning and aggregation workflows in **C# and SQL** across 27 production tables, cutting manual reporting effort by 3 hours per week.

Yuanta Futures Co. Ltd.

May 2025 – Jul 2025

SWE Intern

- Load-tested the company's futures trading portal at up to 500 combined RPS using **JavaScript/Grafana k6**, simulating peak-hour traffic across login and market-data APIs.
- Identified shared-resource contention between authentication and market-data services and established capacity thresholds that shaped the team's scaling and architecture plans.

URROBOT

Jun 2024 – Aug 2024

ROS Intern

- Developed **ROS** nodes in **Python** and **C++** for camera-based terrain classification on **Linux**, supporting autonomous navigation decisions on unstructured ground.
- Validated navigation behavior across 20+ terrain types and test scenarios, surfacing classification/navigation defects prior to field deployment.

NYU Rogue Aerospace

Feb 2024 – Dec 2024

Payload Engineer

- Programmed **Arduino** microcontrollers to interface with onboard sensors and collect experimental flight data; designed supporting payload components and assemblies in **SolidWorks**.

PROJECTS

NYU Pi Delta Psi [Chapter Operations Platform](#) (Next.js, React, TypeScript, PostgreSQL, Prisma)

Dec 2024 – Present

- Rebuilt a legacy chapter website as a full-stack **Next.js/React/TypeScript** app on **PostgreSQL (Prisma)**, replacing hardcoded pages with a database-driven roster, admin console, and REST API handlers serving 30+ active members.
- Reduced image payloads by 61% through a Sharp-based WebP pipeline and implemented **GitHub Actions CI/CD** with linting, type checking, testing, builds, and automated database migrations.

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, JavaScript/TypeScript, C#, C++, SQL
- **Frameworks & Libraries:** React, Next.js, Playwright, Prisma, NumPy, Pandas
- **Databases & Tools:** PostgreSQL, MySQL, Microsoft SQL Server, Docker, GitHub Actions, Linux, Git, DigitalOcean

LEADERSHIP & AWARDS

- **VEX Robotics:** 2023 World Championship **Think Award**; 2023 Taiwan Open **Tournament Champion**.
- **Pi Delta Psi Fraternity:** Led recruitment and chapter operations for 30+ active members as **Vice President**; coordinated logistics with NYU administrators and the fraternity's national board.