

# Aileen Li

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## EDUCATION

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### New York University

**AUG 2022 – MAY 2026**

B.S. in Computer Science

*Brooklyn, NY*

- Relevant Courses: Data Structures and Algorithms; Computer Architecture and Organization; Operating Systems
- GPA: 3.7 / 4.0 (Dean's list)

## PROFESSIONAL EXPERIENCE

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### Real-time Application Development Team

**JAN 2023 – PRESENT**

*High Speed Research Network*

*Brooklyn, NY*

- Collaborate with Acqknowledge to transfer data collected from their Biopac machine via NYU's Corelink platform, enhancing their ability to access data remotely.
- Assist researchers in implementing real-time, closed-loop workflows, integrating feedback and AI for enhanced experimental efficiency.

### Treasurer of Start-up Week Committee

**NOV 2023 – PRESENT**

*Tech@NYU*

*Manhattan, NY*

- Manage and maintain the committee's financial records while tracking income, expenses, and budget allocation
- Prepare reports with data visualizations and analytics reflecting committee's performance for advisors and sponsors
- Secure sponsorships by performing outreach, crafting proposals, and organizing meetings

## PROJECTS

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### Plane Ticket Reservation Website

**SEP 2023 - DEC 2023**

*Xampp, SQL, Python, Flask, HTML, CSS*

*Brooklyn, NY*

- Created a relational database and associated website for an online plane ticket reservation system
- Utilized XAMPP and SQL to establish the backend infrastructure and manage database operations
- Engineered frontend functionalities: user registration/login, authentication, flight search/creation, ticket purchases, etc.
- Implemented security measures such as password hashing & input validation to safeguard against SQL injection etc.

### Drowsy Driving Sensor

**SEP 2022 - DEC 2022**

*Python, Arduino C, Raspberry Pi*

*Brooklyn, NY*

- Designed and prototyped a sensor to detect eye-blinking and head movement symptoms in drowsy drivers
- Trained Haar Cascade Classifiers to implement computer vision features such as facial recognition and iris detection
- Integrated Raspberry Pi module, PiCamera, Ultrasonic Sensor, and alarm into product circuitry; designed CAD models

### Nail Salon Website

**JAN 2023 – MAR 2023**

*HTML, CSS, SCSS, JS, Bootstrap*

*Queens, NY*

- Developed a website to enhance a local salon's online presence and optimized UI/UX according to client requirements
- Achieved a 21.1% increase in website traffic within a four month tracking period

## SKILLS

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- Skills: Raspberry Pi, Microsoft Office, Linux, MacOS, Windows, Docker
- Languages: Python, C++, C, Lua, HTML, CSS, JS, SQL, Arduino C, Bootstrap