

Sean Takahashi

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EDUCATION

Stuyvesant High School (New York, NY)

Expected Graduation: June 2026 | Non-weighted average: 95/100

Relevant Coursework: AP CS A, AP Calculus BC, AP Psychology, AP Physics C, Software Development

Columbia Engineering (New York, NY)

Jul 2024 - Aug 2024

Pre-College STEM program, non-degree

Course in Data Science using Python, elective in Cybersecurity

EXTRACURRICULAR ACTIVITIES

Morishita Laboratory for Developing Minds

New York, NY

Research Intern

May 2025 - Present

- Identified and implemented changes to behavioral video footage using Python for improved tracking
- Analyzed videos of mice interaction using machine learning to determine strength of social development
- Revamped code to streamline processing of videos to SLEAP analysis results
- Reviewed over 126,000 frames and manually corrected tracking node data of 4000 frames

Japanese Weekend School of NY

Bayside, NY

Student Government President

Apr 2014 - Mar 2025

- Top student in class for more than 10 years straight, gave graduation speech for high school graduation
- Excelled on N1(highest) level of the Japanese Language Proficiency Test(JLPT) with 99th percentile score
- Involved in student government for five years, current President
 - Helped organize traditional Japanese annual sports field day(“undoukai”)
 - Led renewal of original event “hashire-de-tsunatori” to revise safety problems
 - Organized dance to further lighten up the program
 - Created new mentoring program for underclassmen to receive additional help in academics
 - Managed over 50 students to raise record-breaking \$2000 in annual charity garage sale
- Made audio recordings of textbooks to help underclassmen with reading practice

Stuyvesant Boys Varsity Swimming and Diving Team

New York, NY

Swimmer

Sep 2022 - Present

- Won both playoff and A-high point championship for 2023-24 and 2024-25 season
- Practices everyday after school for two hours during season
- Motivates other swimmers in and out of the pool

Bluefins Swimming

Brooklyn, NY

Swim Instructor

Jun 2025 - Present

- Teaches proper technique and provides individualized guidance to improve efficiency, flow, and speed
- Emphasizes form and skill progression tailored to each swimmer’s ability

Stuyvesant Junior Caucus

New York, NY

Finance Dept. Member

Sep 2024 - Jun 2025

- Manages funds and creates budget plans for student events, fundraisers, and projects
- Raised total \$1000 through fundraisers to lower costs for junior prom tickets for students

Tokyo-Frost Valley YMCA Partnership

Claryville, NY

Junior Counselor

Aug 2025

- Cared for seven 11-13 year old campers throughout two week sleepaway camp program
- Planned and led various activities such as overnight sleepouts, hiking, and rock climbing
- Trained CiT(counselor in training) in the group for counselor responsibilities

MyPy

Brooklyn, NY

Mentor/Tutor

Nov 2024 - Jul 2025

- Hosts online one-on-one hour-long tutoring sessions per week
- Tutors computer science to students globally, mainly coding in Python

SKILLS

- Language: Native English, native Japanese, conversational Spanish
- Highly proficient at Java and Python, experience in data analysis and machine learning using Python Pandas, scikit-learn, pose estimation using SLEAP
- Experience in web development using React, [Node.js](https://nodejs.org/), MongoDB
- **American Red Cross Lifeguard Certified**