

# Ka Long Ngai

(347) 458-1182 | Brooklyn, NY | [djklsslk@gmail.com](mailto:djklsslk@gmail.com) | [Portfolio](#) | [Github](#) | [Linkedin](#)

## Education

---

**SUNY Stony Brook University**

**Expected Graduation May 2026**

*Bachelor of Science in Computer Science*

*GPA: 4.0*

*Relevant Coursework: Systems Fundamentals I, Fundamentals of Software Development, Data Structures & Algorithms*

## Skills

---

- Programming Languages: Java (advance), Python (intermediate), HTML (intermediate), CSS (intermediate), JavaScript (intermediate), Bash (novice), OCaml (novice), SQL (novice)
- Frameworks/Tools/Topics: Git, React.js, Node.js, Functional Programming, AzureCloud
- Languages: Fluent in English, Cantonese, Mandarin

## Experiences

---

**Residence Hall Association**

**Stony Brook, NY**

*RHA Senator*

*September 2022 - Present*

- Participated in weekly meetings, including RHA and Hall Council meetings, which provided engaging activities for the hall's residents, with over 100 attendees
- Reported information between the Residence Hall Association and Hall Council, conducting effective communication between the two organizations
- Voted for candidates for executive positions through active discussion and debate, resulting in the selection of the most qualified candidate

**JEI Learning Center**

**Brooklyn, NY**

*Teacher Assistance*

*July 2023 - August 2023*

- Educated four students on a daily basis throughout summer, significantly improving their skill levels in both Math and English in preparation for SHSAT and SAT
- Facilitated an introduction to programming course for students, resulting in each student successfully solving CodingBat problems by the course's conclusion
- Mentored students in developing effective study techniques, time management skills, and test-taking strategies, leading to a notable increase in their ability and confidence to approach examinations

## Projects

---

**Typewriter Jyutping**

**March 2023 - June 2023**

- Designed a front-end web application inspired by MonkeyType for Cantonese (i.e. Jyutping) to improve users' Jyutping typing abilities through feedback such as accuracy statistics and characters per minute
- Used HTML, CSS, and JavaScript, along with Git as version control,

**Spotify Shuffle Algorithm**

**January 2023 - March 2023**

- Created shuffle algorithm that shuffle a Spotify playlist effectively and efficiently by measuring the program runtime and the listening to the shuffled playlist which improves the overall listening experience
- Used Java as the primary language, Node.js and Bash to retrieve and update data using Spotify API, along with Git as version control

**Weather Report Bot**

**October 2022 - November 2022**

- Developed a Discord Bot that generates weather reports based on user-specified locations, effectively increasing the accessibility of weather reports for users
- Used JavaScript as the primary language, Node.js framework specifically along with Git as version control