

# Taylor Ngo

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## EDUCATION

### **Stony Brook University**

Bachelor of Science

- Major: Computer Science/Applied Mathematics & Statistics
- GPA: 3.82/4.0

**Stony Brook, NY**  
August 2019 – May 2023

## EXPERIENCE

### **Research Foundation of The City University of New York**

Assistant Computer Science Instructor

**New York, NY**

March 2021 – Present

- Collaborating with faculty members at John Jay College of Criminal Justice to promote an interactive learning experience for prospective university students.
- Teaching classes of 15-20 students Java and object-oriented programming as part of the STEP for Leaders program.

### **Stony Brook University**

Introduction to Object-Oriented Programming Teaching Assistant

**Stony Brook, NY**

May 2021 – August 2021

- Facilitated biweekly laboratory sessions of 20-30 students covering topics of object-oriented programming in Java.
- Assisted faculty members in the evaluation and grading of homework assignments and exams.

### **Stony Brook University**

Data Structures & Algorithms Teaching Assistant

**Stony Brook, NY**

February 2021 – May 2021

- Taught recitation classes of 20-30 students covering concepts of computer science data structures and algorithms.
- Held office hours for 5 hours a week to assist students with assignments and other inquiries.
- Performed all other teaching assistant duties including moderating the class forum for over 100 students, creating new recitation material, supervising exam review sessions, and designing homework assignment test cases.

### **Facebook**

Above & Beyond Computer Science Participant

**Remote**

September 2020 – November 2020

- Coordinated with peers to complete weekly technical tasks to gain a better understanding of programming concepts.
- Attended 11 weekly development workshops geared towards enhancing knowledge of programming fundamentals, engaging with industry professionals, and ensuring career readiness.

## PROJECTS

### **Grading Sheet Sender – Python**

<https://git.io/JqvN1>

- Developed a program that sends grading sheets to students in a particular class by using pylightxl to read Microsoft Excel files to match the proper grading sheets to students.

### **Stock Market Paper Trading Android App – Java / Android Studio**

<https://git.io/JBlq4>

- Designed and developed a Java based Android application that simulates real-time stock market trading.
- Worked with APIs to connect users to an assortment of assets and utilized SQLite to store user data in local storage.

### **STEM Connect – JavaScript / React / MongoDB**

<https://stemconnect.netlify.app/>

- Collaborated with a team to create a full-stack web application to help educators promote their services to students.
- Designed the frontend using React and connected user inputs to the MongoDB backend.
- Achieved the best hack for small businesses/restaurants at the WaffleHacks 2021 hackathon.

## SKILLS

### **Programming Languages**

Java · Python · HTML · CSS · JavaScript · C · Swift

### **Libraries, Frameworks, & Other Tools**

Algorithms · Data Structures · React · Bootstrap · MongoDB · Android Studio

### **Languages**

English · Mandarin · Cantonese

## AWARDS & ADDITIONAL EXPERIENCE

- Stony Brook University Dean's List - December 2019 - Present
- Edward R. Murrow High School Chess Team - September 2015 - June 2019