

# Taylor Ngo

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## EDUCATION

### **Stony Brook University**

Bachelor of Science

- Major: Computer Science/Applied Mathematics & Statistics
- GPA: 3.65/4.0

**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.

Data Structures & Algorithms Teaching Assistant

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**

**March 2021**

- Developed a program that automates sending grading sheets via email to students in a particular class.
- Allowed faculty and teaching assistants to automate emailing grading sheets for over 100 students per assignment.

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

**August 2021**

- 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**

**August 2021**

- 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 Waffle Hacks hackathon with over 290 participants.

### **Ambulert – Dart / Flutter / Android Studio**

**February 2022**

- Created a mobile application that allows emergency service vehicle drivers to send alerts notifying drivers of ongoing emergencies and approaching emergency service vehicles.
- Utilized APIs to gather user location through reverse geocoding and to send notifications through SMS messaging.
- Achieved the best hack for the best use of Twilio at the Hopper Hacks 2022 hackathon with over 150 participants.

## SKILLS

### **Programming Languages**

Java • Python • Dart • HTML • CSS • JavaScript

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

Algorithms • Data Structures • React • Flutter • MongoDB • Firebase • Android Studio

### **Languages**

English • Mandarin • Cantonese