

Taylor Ngo

Brooklyn, NY | cs.taylorngo@gmail.com | <https://www.linkedin.com/in/taylor-ngo/> | <http://www.taylorngo.com/>

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.

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 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.
- 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.

Caloria – Java / Android Studio

September 2021

- Worked with a team to develop a mobile application that generates exercise routines and calculates calorie maintenance to assist users in achieving their fitness goals.
- Implemented the necessary algorithms to generate exercise routines and to calculate calorie consumption.

SKILLS

Programming Languages

Java · Python · HTML · CSS · JavaScript · Swift

Libraries, Frameworks, & Other Tools

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

Languages

English · Mandarin · Cantonese