Taylor Ngo

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EDUCATION

Stony Brook University   **Stony Brook, NY**
Bachelor of Science   August 2019 – May 2023
- Major: Computer Science/Applied Mathematics & Statistics
- GPA: 3.67/4.0

EXPERIENCE

Research Foundation of The City University of New York   **New York, NY**
Computer Science Instructor   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   **Stony Brook, NY**
Introduction to Object-Oriented Programming Teaching Assistant   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   **Remote**
Above & Beyond Computer Science Participant   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 · Swift

Libraries, Frameworks, & Other Tools
Algorithms · Data Structures · React · Flutter · MongoDB · Firebase · Android Studio

Languages
English · Mandarin · Cantonese