Nicholas Leong

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EDUCATION

State University of New York, Stony Brook University   *Expected Graduation: May 2022*
Bachelor of Science (B.S.) - Computer Science   *GPA: 3.23/4.00*

PERSONAL PROJECTS

Mascot Robot   **September 2020 – Present**
- Designing a fraternity mascot robot to increase organization presence during campus-wide involvement fairs'
- Utilize a Raspberry Pi and Python to distinguish voice commands that will output through speech or an LED display
- Working to add facial recognition capabilities using Python and OpenCV to output unique speech messages per person

Personal Website   **May 2020 – August 2020**
- Launched a website to display credentials for personal and professional use to show potential employers
- Designed using HTML, CSS, and Javascript in addition to Bootstrap framework, JQuery library, and Adobe Illustrator
- Implemented responsive scaling for different platforms and screen sizes to increase user accessibility on multiple devices

Smart Mirror   **October 2019 – November 2019**
- Created an in-mirror display that projects widgets such as time, news, and reminders through a Raspberry Pi
- Utilized additional 3rd party modules, such as a Weather API to track and display multiple cities' reports in real-time
- Widgets were created using Python and JavaScript; they were designed/positioned within the monitor using CSS

WORK EXPERIENCE

Stony Brook University – *Residential Safety Program*   **September 2019 – March 2020**
- Communicated with headquarters to advise on all conditions within student dormitories during the night
- Directed students with help from Resident Assistants during building and campus-wide emergencies
- Ensured safe living conditions for both students and staff during the night by tracking dormitory traffic

Roslyn High School - *Calculus/Algebra Tutor*   **February 2017 – May 2018**
- Tutored 16 students that ranged from high school to elementary school in calculus and algebra
- Created practice tests for students to simulate a real test-taking setting and advised them on their mistakes
- 11 out of 16 students demonstrated an improvement of at least a 15% average point increase in exams

EXTRACURRICULARS

Theta Tau Professional Co-ed Engineering Fraternity - *Brotherhood, Social, Engineering Chair* **December 2019 – Present**
- Initiate in the creation of engineering projects with the combined technical efforts of the chapter's members
- Coordinate events within the fraternity and with other organizations to improve on-campus relations

Chinese Association at Stony Brook - *Event Coordinator, Event Coordinator* Assistant   **September 2019 – Present**
- Organize and execute events virtually and on-campus that promote Chinese culture and spread awareness
- Design detailed itineraries and regulate biweekly events that currently averages 80 students in attendance

Stony Brook University Volleyball Club - *Member*   **September 2018 – Present**
- Engage in competitive weekly practices that develop strong teamwork, communication, and leadership
- Compete in biweekly tournaments and scrimmages against other colleges and outside clubs across New York

TECHNICAL SKILLS

- Languages: Java, Python, HTML, CSS, JavaScript
- Libraries/Framework: Bootstrap, JQuery
- Other: Raspberry Pi, Git, Adobe Illustrator, Adobe Photoshop, MS Office

RELEVANT COURSEWORK

- Object-Oriented Programming, Data Structures, Discrete Mathematics, Programming Abstractions, Systems Fundamentals, Analysis of Algorithms, Fundamentals of Software Development