Nathaniel Chan

Hicksville, NY 11801 | nate.chan29@gmail.com | (516) 373–8662

sevenatenine.github.io | github.com/SevenNateNine | LinkedIn

Education:	**Stony Brook University**	September 2016 – May 2020

B.S. in Computer Science
Dean's List

Experience: **Media Systems Engineering** — April 2018 – May 2020
Student Assistant
- Repaired wide variety of technical problems on Stony Brook campus and Stony Brook Health Science Center, including audio visual, computer systems and device compatibility.
- Replaced and install new systems on campus. Ranged from refitting old rooms with new equipment to complete rebuilding rooms with a new system, including new internals for the room and new audio-visual-based equipment.

Intervarsity
AV Team — September 2018 – May 2020
- Responsible for weekly set up of audio-visual equipment for club related events.
- Hosted quarterly training with team to ensure safety and proper handling of equipment.

Large Group Co-Coordinator — September 2019 – May 2020
- Organized club's weekly meetings and leading a team of 6 members to coordinate responsibilities ranging from contacting outside speakers and collaborating with other leaders and clubs.

The NPD Group — June 2019 – August 2019
Internal Systems Temp
- Assisted in company transition from Salesforce Classic to Salesforce Lightning by rewriting and JavaScript modules into Apex based modules. Involved writing and executing unit tests for Apex modules to ensure functionality.

Projects: **C4ME, College Web Application** – MySQL, Express.js, React.js, Node.js, Puppeteer, Axios
- MERN stack team web application purposed to assist students in finding a school that best suites them based on algorithms, system data and their own information.
- Responsible for writing web scraping tools to acquire accurate high school and college data using Puppeteer, writing numerous SQL statements for the backend and then connecting the backend to the front end using Express, React, and Axios.

Twitter CnC – Python, Twitter API
- Command and Control Python team scripting project that established covert connection between a server and a client over Twitter using its API and steganography to encode commands, data, and receipts into .png files.

Typosquatter – Python, Django, Pyppeteer
- Django web application to help users avoid typosquatting, or fake URLs, by generating a list of possible typo sites and using Pyppeteer as a webscraping tool to visit each site to obtain a screenshot and the HTML of the site.
- Responsible for writing master and worker node communication and multithreading so project workload was scalable to how many worker nodes were active at one time.

Skills: **Programming Languages:**
    Proficient: Java, JavaScript, Python, SQL, HTML, CSS,
    Familiar: C#, C, MIPS Assembly, Apex,

Technologies/Tools/Frameworks:
    Express.js, React.js, Node.js, Git, MySQL, Puppeteer, Selenium, Flask, Django