

Nathaniel Chan

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Education: Stony Brook University

September 2016 – May 2020

B.S. in Computer Science
Dean's List

Relevant Courses

- System Fundamentals I
- System Fundamentals II
- Principles of Database Systems
- Principles of Programming Languages
- Analysis of Algorithms
- Computer Networks
- Computer Security Fundamentals
- Offensive Security
- Software Engineering

Extra Curriculars: Co-Coordinator of general body meetings for InterVarsity Christian Fellowship

Skills: Programming Languages:

Java, JavaScript, Python, SQL, HTML, CSS, C#, C, MIPS Assembly, Apex,

Technologies/Tools/Frameworks: Express.js, React.js, Node.js, Git/Github, MySQL, Puppeteer, Selenium, Axios, Django, Flask, Bootstrap, VIM, Windows, Linux/UNIX

Experience: Media Systems Engineering

April 2018 – May 2020

Student Assistant

- Assisted in repairs and installations across campus and the health science center.
- Managed and trained newer hires, showing how to safely operate machinery and best practices to carry out tasks efficiently.

The NPD Group

June 2019 – August 2019

Internal Systems Temp

- Assisted in company transition from Salesforce Classic to Salesforce Lightning, recreating JavaScript modules in Apex and executing unit tests to ensure persistent functionality.

Projects: C4ME, College Web Application – MySQL, Express.js, React.js, Node.js, Puppeteer, Axios

- A MERN stack web application purposed to assist students in finding a school that best suites them based algorithms using web scrapped data and input information.
- Achieved reliable and real time school results by incorporating web scraping capabilities, and a custom algorithm to find best complementary schools with up to date information.

Twitter CnC – Python, Twitter API

- Command and Control Python script where host can interact with clients by sending commands and extracting data through embedded .png files sent over Twitter.
- Implemented server commands and achieved scalability through management of script interaction with Twitter API and multiple clients

Typosquatter – Python, Django, Pypeteer

- Django web application to assit users avoid typosquatting, or fake URLs, by compiling a list of typos along with a screenshot and the HTML after visiting the typo site with Pypeteer
- Executed scalability through multithreading implementation with initial master and worker node communication.