Jason Cheng

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EDUCATION

Bachelor's of Science at **Stony Brook University**	August 2020 - December 2023
Primary Major: Computer Science	GPA: 3.83/4.0
Secondary Major: Applied Math and Statistics	

EXPERIENCE

Information Technology Intern <div align="right">July 2022 - August 2022</div>

United Federation of Teachers [New York, NY]

- Assisted with the update of their mail service application in Java. Updated Freemarker templates for automated emails for United Federation of Teachers accounts. Wrote new functionality for different types of mails to be sent by the application.
- Conducted data analysis United Federation of Teachers account data. Created a graphical user interface to display the user information in graphs and charts using Python

PROJECTS

GeoWizard (**NodeJS, React, MongoDB, Tailwind CSS**)

- Developed in a group project a web application that provides a platform for user to create and share maps with other users. User Interface for users to view maps created by other user and community interactions such as a comment and upvote system for each map page.
- Provides an editor to create 5 different map types: Heat Map, Choropleth Map, Point/Locator Map, Symbol Math, and Flow Map. Supports multiple file map file formats such as GeoJson, KML, and SHP.
- Account management system to handle user profile information and account recovery

Music Converter Discord Bot (**Python, Nextcord**)

- Uses Discord Bot API to convert youtube links from a Discord channel and download the links in .mp3 format. Converts the .mp3 files to .nu3audio format, for use in Super Smash Bros. Ultimate on the Nintendo Switch
- Compresses audio to standardize volume across all the files

Linux CPU Profiler (**C**)

- A Linux kernel module to keep tracks the usage of the CPU for each process in CPU cycles. Lists the top 5 processes that take up the most CPU timeslices. Updated at every context switch done by the operating system

TECHNICAL SKILLS

Languages: Java, C, Python, Javascript, HTML, CSS

Frameworks: Node, Express, React, Tailwind, Mongoose

Tools: Git, Linux, Windows, VirtualBox, Heroku

ACTIVITES

Vice President <div align="right">August 2021 - December 2023</div>

Smash Bros. at Stony Brook club

- Host events with over 50 participants for students at Stony Brook mainly foucused on the Smash Bros. franchise from Nintendo
- Set up equipment such as Nintendo Switches, Wiis, and TVs to be used for events. Organized brackets for tournaments and in charge of running tournaments.

Librarian <div align="right">August 2021 - December 2023</div>

Animated Perspectives Club at Stony Brook

- Assist with patrons checking out and returning books and DVDs from the Animated Perspectives club room.
- Organize and mangae the collection of books and DVDs
- Keep the club room tidy and handle any disputes between patrons in the club room.