Harvey Jiang

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Programming Languages: Python, TypeScript, JavaScript, Assessable HTML and CSS, SQL, noSQL
Frameworks: Django, Django REST, Vue**,** Nuxt, Express, React
Technologies: Git, mySQL, PostgreSQL, REST, GraphQL, Firebase, Google Apis, AWS Lambda and RDS,

EDUCATION

University at Buffalo, The State University of New York (UB)   **Expected May 2027**
- Bachelor of Science in Computer Science - **GPA 4.0/4.0**

WORK EXPERIENCE

University at Buffalo   **September 2023 - Current**
Research Assistant Under Professor Jinjun Xiong   Buffalo, NY
- Contributed to the development of an application for learning and reading scientific papers in React, implementing features like interactive PDF views and accessible design
- Developed a interconnected application in Nuxt for professors to assign readings and visualize the data back to them
- Leveraged mySQL and Django to model user roles/permissions, reading metrics, retention rate, and assigning readings for students
- Collaborated closely with faculty to enhance the user experience and team members to troubleshoot and debug issues like routing mishaps, optimizing the application's performance

Summer Design Institute   **June 2022 - August 2022; June 2023 - August 2023**
Software Engineer Intern for Staten Island Tech   Staten Island, NY
- Designed a robust backend for a club attendance app using Express.js, integrating Google's Sheets and Drive API to implement a club attendance system
- Created a QR code system for blazingly fast club attendance taking and rest endpoints for updating attendance and yearly club attendance data instead of a pen-and-paper attendance system for hundreds of students
- Successfully identified and resolved complex issues in a schedule builder app, such as problems with how data is managed and irregularities in the user interface. This ensured a smooth and user-friendly application experience
- Assisted students and school staff in rectifying technical issues throughout the building
- Developed Kiosk software and wrote an API wrapper for the Clearpass API(WiFi) to improve error handling and response/input data safety to help connect DOE iPads and aid hundreds of teachers and students in connecting to the wifi resulting in a smooth and reliable connection experience

Tech Incubator at Queens College   **February 2022 - April 2022**
Intern   Queens, NY
- Worked with two clients to develop distinct WordPress websites tailored to their specific needs: one for a photography business, focusing on showcasing their portfolio and services, and another for a clothing business, designed to promote their products and brand
- Crafted a WordPress website dedicated to connecting former/current interns with freelance job opportunities

PROJECTS

Technime | [**Github Code**](#) | (Nuxt, Django, GraphQL, Google OAuth)   **Sept 2022 - June 2023**
- Conceptualized a platform dedicated to hosting anime awards voting and presenting data visualizations tailored to SITHS students, fostering a hub for students to both participate in awards selection and make informed viewing choices. I led a cross-functional team, designed the backend, wrote documentation, and reviewed pull requests. This achieved a 15% increase in student engagement and participation, enhancing the anime community experience for SITHS students

USO! | [**Github Code**](#) | [**Demo**](#) | (Nuxt, MongoDB, Express, Auth0, Pixi.js, Howler.js)   **Sept 2021 - June 2022**
- Teamed up with three team members, drawing inspiration from the rhythm-based games OSU! mania and Guitar Hero, to develop USO!, a web-based rhythm game. I implemented Audio, game logic and backend which resulted in an immersive and competitive gaming experience

Taste of China Brooklyn | [**GitHub Code**](#) | [**Demo**](#) | (Assessable HTML and CSS)   **Sept 2020 - Dec 2020**
- Designed a website for my family's Chinese restaurant to show the menu/hours for hundreds of customers