

Harvey Jiang

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Programming Languages: Python, TypeScript, JavaScript, Java, Assessable HTML and CSS

Frameworks: Django, Django REST, Vue, Nuxt, React

Technologies: Git, mySQL, REST, Docker

EDUCATION

University at Buffalo, The State University of New York (UB) **Expected May 2027**

- Bachelor of Science in Computer Science - GPA 3.9/4.0
- Coursework: Object Oriented Programing in Java

WORK EXPERIENCE

University at Buffalo **September 2023 - Current**
Research Assistant at X-Lab@UB Buffalo, NY

- Identified and presented strategies like Nvidia Triton to better scale MLModelScope - a platform for evaluating, profiling and benchmarking ML models
- Decoupled Hugging Face pipeline models into distinct preprocessing, prediction, and post processing stages
- Collaborated with a postdoctoral researcher on a Human-Computer Interaction (HCI) study to evaluate student-teacher interactions within the reading realm
- Developed an application using Remix (React) to support the HCI study by allowing professors to assign academic papers and visualize student reading metrics with a 95% accuracy rate
- Integrated MySQL and Django for comprehensive paper tracking, enabling actionable metrics that helped professors identify and address student learning challenges
- Enabled fine-tuning capabilities for reading metrics, allowing tracking down to a page-by-page level for precise academic insights
- Ensured accessibility standards by collaborating with UB's Accessibility Resources office

Summer Design Institute **June 2022 - August 2022; June 2023 - August 2023**
Software Engineer Intern for Staten Island Tech Staten Island, NY

- Created a QR code based attendance system, using Express.js and Google Sheets / Drive APIs, leading to a 10 minute reduction in attendance taking time
- Improved a schedule builder app by resolving complex bugs like data management issues and user interface irregularities
- Established front facing Kiosk software to streamline connecting to school WiFi for hundreds of students and teachers
- Remodeled an internal Clearpass API(WiFi) wrapper to improve error handling and response/input data safety, insuring WiFi stability

Tech Incubator at Queens College **February 2022 - April 2022**
Intern Queens, NY

- Built WordPress websites tailored to specific client needs, boosting online presence for a photography business and a clothing business

PROJECTS

Technime | [Github Code](#) | (Nuxt, Django, GraphQL, Google OAuth) **Sept 2022 - June 2023**

- Designed a platform for anime awards voting and data visualizations, increasing student participation
- Utilized Django and GraphQL to model and handle user voting

USO! | [Github Code](#) | [Demo](#) | (Nuxt, Auth0, Pixi.js, Howler.js) **Sept 2021 - June 2022**

- Collaboratively created a web-based rhythm game inspired by OSU! mania and Guitar Hero
- Implemented audio with Howler.js and game logic with Pixi.js
- Reverse-engineered OSU files to facilitate easy song uploads