JA XIAN CHEN

103 River Rd, Nutley, New Jersey 07110

📱 646-327-6076 🌐 [Portfolio](#) ✉ Jaxianmc@gmail.com 🔗 linkedin.com/in/ja-xian-chen ⬡ github.com/Ja-Xian-Chen/

Education

New Jersey Institute of Technology   **Graduation Date: May 2024**
Bachelor of Science in Computer Science   *Newark, New Jersey*

Work Experience

New Jersey Courts   **February 2024 – Present**
Software Engineering Intern   *Newark, New Jersey*

- Built and implemented a front-end user interface in a document scanning application for Personally Identifiable Information (PII) in AWS.
- Incorporated PII detection within Microsoft Word and PDF documents leveraging AWS Macie, ensuring compliance with data privacy regulations.

BSD Organics   **September 2023 – December 2023**
Software Engineering Intern   *New York City, New York*

- Played a key role in the redesign of the company's landing page, which included a contact form. This was built using a **React/Node/MySQL** stack and styled with **Bootstrap** and **CSS** for a modern and responsive design.
- Implemented back-end account registration functionality using **MySQL** and **NodeJS,** enhancing the overall user experience by allowing seamless creation and management of user accounts. Integrated secure authentication mechanisms to safeguard user data and privacy.
- Assisted the deployment of a company website using Vercel, integrating it into a **CI/CD pipeline** to ensure smooth updates and maintenance.
- Enhanced the user experience by implementing **React.js** on the landing page, resulting in a 40% increase in page load speeds and improved site organization.

Projects

Tru-Fit – Fitness App | *JavaScript, ReactJS, CSS, Node.JS, MySQL*   **November 2023**

- Developed a Fitness application that allows users to register as a client or a coach, manage their accounts, and access a comprehensive database of fitness exercises.
- Implemented a front-end application with **ReactJS** and **CSS** that fetches data from the back-end server with **Express.js**
- Utilized **MySQL** for fetching, removing, and editing user data and exercise information from the front-end.
- Added a feature for users to register as clients or coaches, manage their accounts, and add or modify exercises in the database

Foreign Whispers – Video Translator | *Python, Pytube, Whisper*   **October 2023**

- Developed a **Python** API that downloads videos and closed captions from YouTube, serving as the ground truth for English language.
- Improved the API to extract audio from the downloaded videos and convert it into text using OpenAI's Whisper.
- Implemented a translation feature within the **Python** API to convert the English text into a user-specified language. This feature also includes a text-to-speech conversion for the translated text.
- Constructed a user interface using Tkinter. This interface allows users to input a YouTube video URL and receive the same video with subtitles in their chosen language as output.

Movie Rental App | *JavaScript, ReactJS, CSS, Node.JS, MySQL*   **September 2023**

- Built a web-multi page application allowing users to view a list of searchable movies and actors with filtering options.
- Implemented a front-end application with **ReactJS** and **CSS** that fetches data from the back-end server with **Express.js**.
- Implemented REST-API and utilized **MySQL** for data management, including fetching, removing and editing data from the front-end.
- Implemented a feature to allow users to add new customers into the database.

Technical Skills

Languages: Python, JavaScript, Bash, SQL, C, C++, C#, Java
Developer Tools: VS Code, Git/GitHub Eclipse, Pycharm, Intelij, MySQL, Unity, AWS, Postman, Jira
Technologies/Frameworks: Linux, ReactJS, Express, Node.Js, HTML/CSS, Bootstrap