

# Po-Yu (George) Chao

Seeking for Full-Stack Developer | Frontend Developer | QA Engineer

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## Technical Skills

- Programming Languages: JavaScript, TypeScript, Python, Java, C++, C#, PHP, HTML5, CSS, Bootstrap, Tailwind CSS
- Frameworks & Libraries: Next.js, React, Redux Toolkit, ASP.NET, Flask, Selenium, LLM (Large Language Model) applications
- Cloud & Backend Services: Firebase (Auth, Firestore, Storage), GCP Cloud Run, AWS S3, Azure, Heroku
- Tools & Platforms: Visual Studio Code, Git, Postman, MySQL, SQLite, MongoDB Atlas, Linux, Docker, Figma (UI layout implementation), newpay(藍新金流)
- Development Expertise: Full Stack Development, Web Development, Cloud Services, Databases, Unit Testing, Automated Testing

## Working Experience

**Full-Stack Developer, Jaijaido web development** – Taichung, Taiwan, Remote

Sep 2024 – Sep 2025

- Collaborated in a 4-person team to develop ArtBridge (繪夢工坊), an artist commission platform. Participated in system architecture planning and tech stack selection, implementing core features such as commission posting, artist application, order management, and real-time chat with milestone tracking and group categorization.
- Built core features using **Next.js, React**, and **Firebase**, with global state managed by **Redux Toolkit**. Backend APIs were containerized with **Docker** and deployed via **GCP Cloud Run**. Integrated **NewwebPay** with custom AES encryption to ensure secure payment handling.
- **Optimized Firestore data structure and listener strategy. Refactored the modular components and adopted fine-grained listeners with sub-collections to reduce costs and improve performance.**
- Applied Git Flow, code reviews via Pull Requests, and semantic commit naming to maintain code quality and streamline team collaboration
- Utilized: **Next.js, React.js, CSS, Firebase (Auth, Firestore, Storage), Redux Toolkit, Docker, GCP Cloud Run, NewwebPay, Git**

**Wander Social, Software Engineer in ML. Intern** - Vancouver, BC, Remote

Apr 2024 – July 2024

- Participated in weekly agile group meetings to discuss project progress and roadmaps.
- Implemented Reinforcement Learning from Human Feedback (RLHF) to optimize machine-learning models for better self-learning efficiency.
- Assisted in building internal tools to verify AI model responses, ensuring they align with human feedback.
- Improved the internal tool's UI to enhance user experience and accessibility.
- Utilized **Next.js, React.js, Rest APIs, JavaScript, TypeScript, Tailwind CSS, ESLint, Amazon S3, Git, Vercel, Postman**

**Software Engineer. Phase software. Berlin, Germany-** Vancouver, BC, Remote

Sep 2023 – Dec 2023

- Assigned to address UI-related issues and bugs in React software applications, collaborating closely with Phase Software
- Utilized a systematic approach to diagnose and rectify bugs, ensuring enhanced user interface functionality and experience.
- Regularly received and managed bug tickets through JIRA, efficiently prioritizing and addressing each issue in React components based on severity and impact.
- Collaborated with cross-functional teams to ensure consistency and quality in UI/UX across applications.
- Utilized **Tailwind CSS, Git, React.js, Next.js, JavaScript**

**Quality Assurance intern, Phase software. Berlin, Germany-** Taipei, Taiwan, Remote/Hybrid

Jun 2023 – Sep 2023

- Utilized **Jira, Gherkin, Regression test, Exploratory test, Manual test, JavaScript, Jest**

**Financial Consultant, Citibank** – Taipei, Taiwan

Jun 2017 – July 2019

## Education

**M.S. Computer Information Technology**, Arizona, USA | GPA: 3.9

Jun 2024 – Jun 2025

**M.S. Business Management**, National Kaohsiung Normal University, Kaohsiung, Taiwan | GPA: 4

Sep 2013 – Feb 2016

## Certificate

**Diploma-Web-development**, TAMWOOD- Vancouver, BC | GPA: 4

Dec 2023 – Jun 2024

**Certificate of Computer Science**, Seattle University-Seattle, WA | GPA: 3.75

Jan 2022 – Mar 2023

## Programming Projects

**TechTutor**– Vancouver, BC

Jun 2024 – Present

- TechTutor is a full-stack web application designed to help users prepare for technical.
- Collaborated in a three-person **agile team**, specializing in integrating the frontend (**Next.js**) with the backend (**Flask**), utilizing the GPT API alongside **LLM** and **RAG** methodologies to dynamically generate technical questions based on user imported resumes.
- Utilized: **Next.js, React, Tailwind CSS, JavaScript, TypeScript, LLM, RAG, Monaco Editor, Python, Flask, OpenAI API, Vercel**

**BookMyHomestay** – Vancouver, BC

Mar 2024 – Apr 2024

- BookMyHomestay is a dynamic web application designed to help users find their ideal homestay.
- I specialized in frontend UI design (**React**) and handled **RESTful-API** requests between the frontend and backend.
- Utilized: **HTML, CSS, React, JavaScript, Axios, MySQL, Local Storage, Session storage, Git, PHP**

**Foodie Seattle** – Seattle, WA

Feb 2023 – Jun 2023

- Developed a web application for food enthusiasts to explore top dining spots in Seattle.
- Collaborated in an agile group, I contributed to **CRUD** operations enabling users to add new restaurants to our website and write **unit tests** to ensure functionality reliability and stability.
- Utilized: **C#, ASP.NET, Unit Testing, Azure, Git**