



Ming-Jung Yu

Back-End Engineer

Dedicated Python Back-End engineer for 3+ years, having Master and bachelor's degrees in Information Technology, worked on 10+ projects development which includes personal side-project and products.

Explored Front-end and UI Fields in leisure time, developed 3+ side-projects with Vue.js, React.js, Nuxt.js and TailwindCSS, also designed UI by Figma.

Experienced with Agile practices, Git, unit tests, refactoring, clean code, readable comments. Excellent teamwork-communicated with multinational teams and worked with different roles and departments.



New Taipei City, Taiwan yuukoyu416@gmail.com

Work Experience

Software Engineer

Innova Solutions Taiwan, LTD. • Feb 2022 - • Patient Roster - Pipeline Analysis - Collector System

- Contributed to the huge patient document collecting system for American Healthcare on AWS cloud services.
- Optimized race condition issues on micro-services design.
- Optimized the performance of operating huge patient data.
- Guided engineer trainee to be familiar with business logic, technologies and Scrum practice.

Back-End Developer

Self-employed • Mar 2021 - Sep 2021 • [Miri Robot Fortune-Teller](#)

- Developed a divination and fortune-telling service using Python and FastAPI framework with Line and Telegram chatbot API.
- Designed high extendable system structure for flexible and unclear requirements.
- Designed user flow and planned requirements.

Back-End Software Engineer

AcBel Polytech Inc. • Nov 2019 - Mar 2021 • [Solar Energy Monitor System](#) - [Streetlights Management System](#) - [Solar Energy Data Collector](#) - [Solar Energy Project Management System](#)

- Devoted to IoT sensor data collection system by using Python, Flask, PostgreSQL, Redis and MQTT protocols.
- Designed clear and highly extendable system structure.
- Improved the performance of data processing by 80%, using concurrency patterns, indexes in database, and memory caches.

Websites

- [@Mina Influence](#): Personal Website.
- [Portfolio](#): Summarized all Projects & Products.

Personal Projects

- [Miri Robot Fortune-Teller](#): Own developed fortune-telling service.
- [Own Influence](#): A creative theme developed by Nuxt.js.
- [Creative Theme: Simple Blog](#): A creative theme developed by Vue.js.
- [Fancy Chat Room](#): A practice chat room developed by react.js and Firestore.

Skills

- **Languages:** Python, Java (Basic), JS, HTML, CSS
- **Framework:** Django, Flask, FastApi, Hugo, Vue.js, React.js, Nuxt.js and TailwindCSS
- **Database:** MySQL, PostgreSQL, SQLite, Redis, DynamoDB
- **Dev Ops:** Git, Docker, Jenkins, Heroku, Bash

- Improved code quality by writing standardized comments, documents and refactoring code.
- Hosted scrum meetings with team members.
- Supported Junior engineer to solve technical issues.
- Communicated with street light and solar energy vendors on technical issues and specifications of IoT devices.

Back-end Engineer

Synergies Intelligent System Inc. • Sep 2018 - Aug 2019 • [SyGPS™ AI-enabled business](#) - [Bank Robot Advisor](#) - [Beijing Industrial Website](#)

- Contributed to BI services and web applications using Python, Flask, Pandas.
- Improved code quality by Unit Tests, TDD practice and clean code.
- Maintained existing Insurance web service in Python and Java.
- Assisted to write the QA test plans and UAT plan.
- Supported service deployment with bank end-customers.

Research Assistant

Shih Chien University • Apr 2017 - June 2018 • [The Data Construction and Research Analysis of Vulnerable Families](#) - [Bonus System Software](#) - [Earth Ethical Eating Day](#).

- Assisted Ministry of Health and Welfare project: The Data Construction and Research Analysis of Vulnerable Families.
- Collaborated with the government and the Department of Social Work.
- Analyzed cause conditions from residence area, national income and health insurance of 20 million citizens data by SAS and SQL.
- Explored insight reports and discussion with officials for providing required actions and suggestion decision.

Website Developer

Shih Chien University • Apr 2016 - Jan 2018 • [IR Office Official Site](#)

Designed and developed the official website of the university Administration Office.

- **Cloud:** Amazon Services, Google Cloud Firebase.
- **Misc:** MQTT protocol, Unit Test, Figma
- **Practice:** Agile, Scrum, TDD

Education

Shih Chien University 2016 - 2018

Graduate Degree • Information Technology and Management

- 2 years Class representative.
- Selected as a Japanese translator and staff member at Kyoto Seminar.
- Selected for a business trip to Pennsylvania, America by university.

Shih Chien University 2011 - 2015

Bachelor's Degree • Information Technology and Management

Languages

- Chinese — Native
- English — B1, TOEIC: 635
- Japanese — B2, N3 JLPT
- Spanish — B1
- Russian — A1, Coursera Certificates

Interests

- Software Development
- Learning Foreign Languages
- Exploring Different Cultures
- Writing Blog Posts
- Researching Fortune-Telling