



Ming-Jung Yu

Software Engineer

Dedicated Python Back-End engineer with 4 years of experience, holding both Master's and Bachelor's degrees in Information Technology. Contributed to 10+ projects, including the fields of American healthcare insurance system, IoT sensor backend, and business intelligence systems.

Beyond back-end expertise, I've spent over 2 years self-learning and actively participating in frontend development and UI design. Developed Miri Robot Fortune-Teller, a divination product, using React.js, Python and TailwindCSS. Also designed the user interface (UI) personally. Additionally, I've created my personal website and 3 frontend projects.

Extensive experience in Agile development, Git version control, and ensuring code quality through practices like unit testing. Skilled in cross-team communication and guiding new team members for seamless integration. Adept at proposing innovative solutions to optimize workflows.

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Work Experience

Software Engineer

Innova Solutions Taiwan, LTD. • Feb 2022 - Dec 2023 • Patient Roster - Pipeline Analysis - Collector System

- Contributed the development of the American healthcare patient data collection system on AWS cloud services (Lambda, S3, SNS, SQS, DynamoDB).
- Led the onboarding process for new team members on business logic, technologies, and Scrum practices, facilitating their rapid integration into the team for collaborative development.
- Proposed innovative automation solutions to optimize intricate and repetitive workflows, enhancing overall work efficiency.
- Participated in innovative sprints, exploring and researching various technologies, providing innovative solutions, and sharing insights with cross-team and cross-organization members.
- Engaged in company internal hackathons, extending and optimizing automated solutions.

Back-End Developer

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

- Developed Miri Robot Fortune-Teller, a divination service using Python and FastAPI with Line and Telegram chatbot.
- Designed high extendable system structure for flexible and unclear requirements.
- Designed user flow and features.

Personal Projects & Websites

- [@Mina Influence](#): My personal website.
- [Portfolio](#): Summarized all Projects & Products.
- [Miri Robot Fortune-Teller](#): Own developed fortune-telling service.
- Front-end projects: [Own Influence](#), [Simple Blog](#), [Fancy Chat Room](#)

Skills

- **Back-end**: Python (Django, Flask, FastApi)
- **Front-end**: React.js, HTML, CSS, JS, Hugo, TailwindCSS
- **Database**: SQL, Redis
- **Dev Ops**: Git, Docker, Jenkins
- **Cloud**: AWS, Google Firebase.
- **Misc**: MQTT protocol, Figma

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, designed system structure and developed system using Python, Flask, PostgreSQL, Redis and MQTT protocols.
- Improved the performance of data processing by 80%, using concurrency patterns, indexes in database, and memory caches (Redis).
- Improved code quality by following TDD practice, writing standardized comments and documents.
- 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 Business Intelligence services and web applications using Python, Flask, Pandas.
- Improved code quality by Unit Tests, TDD practice and clean code.
- Maintained Bank 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

- Analyzed the residence and health insurance levels of 20 million citizens in Taiwan for investigating the main factors of vulnerable households.
- Generated insightful reports and collaborated with the Ministry of Health and Welfare and Social Work department.

Website Developer

Shih Chien University • Apr 2016 - Jan 2018

- Assisted the University Department in developing a website.

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 for sharing knowledge and experience
- Researching Fortune-Telling