Enthusiastic and dedicated Python Back-End engineer with a passion for full-stack development. Self-learned and participating in front-end development and UI design with 2 years of experience. Boasting 4 years of experience in the software industry and holder of Master's and Bachelor's degrees in Information.

- Contributed to 10+ projects, including the fields of American healthcare insurance, Internet of Things (IoT) and Business Intelligence systems including personal projects.
- Proven expertise in Python back-end development with a strong foundation in Agile methodologies and Git version control.
- Expanded skills into front-end development and UI design, showcasing proficiency in React.js, TailwindCSS, and creating intuitive user interfaces.
- Successfully designed and developed Miri Robot Fortune-Teller, a divination product, demonstrating versatility in both back-end and front-end technologies.
- Skilled in communication with cross-countries teams, regular client interactions and vendors.
- Proposed innovative solutions to automate repetitively human work and optimize workflows.

Ming-Jung Yu

Software Engineer

Personal Website: https://minayu.site/en/

New Taipei City, Taiwan | yuukoyu416@gmail.com | in ming-jung-yu

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Work Experience

Software Engineer

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

- Developed a huge American Healthcare System for collecting patient data on **AWS cloud services (Lambda, S3, SNS, SQS, DynamoDB)** and developed in **Python**.
- Led the onboarding process for new team member on business logic, technologies, and Scrum practices, facilitating their rapid integration into the team for collaborative development.
- Proposed automation solutions to optimize intricate and repetitive workflows and engaged in company internal Hackathons for extending the optimization solutions. The solutions was built in **Python** with **Selenium** automation package and AWS Lambda.

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.

Back-End Software Engineer

AcBel Polytech Inc. • Nov 2019 - Mar 2021 • Solar Energy Monitor System - Streetlights Management System - Solar Energy Data Collector

- Developed Solar Energy Monitor and Streetlights Management websites for collecting instant IoT sensors' data through **MQTT protocol**. It was built in **Python** with **PostgreSQL** for storing huge sensors' data and **Redis** for calculating instant metrics.
- 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**.
- Implemented product with Factory Design Pattern and Unit Tests.
- Maintained Bank Insurance web service in **Python** and **Java**.
- Assisted to write the QA test plans, UAT plan and 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 by **SAS** and **SQL** 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 administration office to design and develop an official website using **Python 2**, **Django Framework**, **HTML** and **CSS**.

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