Dedicated Python Back-End engineer for 2+ years, having Master and bachelor's degrees in Information Technology, worked on 10+ projects development which includes personal side-project and products.

Experienced with Agile practices, version control, good code quality through unit tests, refactoring, code review, readable comments. Excellent teamwork-communicated and worked with different roles and departments.

Ming-Jung Yu

Back-End Engineer

New Taipei City, Taiwan ✉ yuukoyu416@gmail.com

Work Experience

Back-End Developer

Self-employed • Mar 2021 - Sep 2021 • Miri Robot Fortune-Teller

- Developed divination and fortune-telling related own side-project, using Python with FastAPI framework.
- Designed high extendable system structure for flexible and unclear requirements.
- Designed user flow and planned requirements.
- Designed and written divination card explanations based on personal experience and divination knowledge.
- Experienced with Line and Telegram chatbot features.

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 products development by using Python, Flask, PostgreSQL, Redis and MQTT protocol.
- Designed clear and high extendable system structure for system efficacy, clean system code and new requirements.
- Improved the efficiency of data processing by 80%, using Concurrency Programming, Index optimization in database, Redis, temporary storage in Python.
- Provided logic procedures for reducing the risk of missing instant data from IoT devices.
- Improved code quality by writing readable comments, documents and refactoring imperfect code.
- Hosted sprint cycle meetings for discussing requirements and unsolvable problems with team members.
- Supported Junior engineer to solve skills and logical problems.
- Communicated with street light vendors to fix the technical problems of street light hardware.
- Communicated with solar energy mechanics vendors for discussing technical specifications of IoT devices.

Personal Projects

- Luna Acuario @Mina: Personal Website.
- Miri Robot Fortune-Teller: Own developed side-project.
- Portfolio: Summarized all Projects & Products.

Skills

- **Languages**: Python, Java (Basic), HTML, CSS
- **Framework**: Django, Flask, FastApi, Hugo
- **Database**: MySQL, PostgreSQL, SQLite, Redis
- **Dev Ops**: Git, Docker, Jenkins, Heroku, Bash
- **Operating System**: Windows, Linux, MacOs
- **Misc**: MQTT protocol, Unit Test, Clean Code
- **Practice**: Agile, Scrum, TDD

Back-end Engineer

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

- Contributed to AI products and web applications using Python, Flask, Pandas.
- Implemented Unit Tests for stability of systems.
- Improved code quality by writing readable comments, documents and refactoring imperfect code.
- Maintained Robot-Advisor in Python and Java.
- Assisted to write the project test plans before UAT in Robot-Advisor.
- Supported deployment with Project Manager in Robot-Advisor.
- Interacted with end-customers for technical problems, system testing and debugging in Robot-Advisor.

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 government project: The Data Construction and Research Analysis of Vulnerable Families. Collaborated with the Ministry of Health and Welfare 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.
- Made 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

Assisted University Administration IR Office to develop official website using Python, Django, LDAP, Html, CSS and JQuery.

Education

Shih Chien University

Master's Degree • Information Technology and Management • 2016 - 2018

- 3+ projects development experience.
- 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

Bachelor's Degree • Information Technology and Management • 2011 - 2015

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