

Lee, Wei

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Work Experience

Software Engineer I (Apr 2017 - Present)

Rakuten Slice

- Designed and developed the backend of a data labeling system that automates the interaction between crowdsourcing workers and experts. Implemented the system through **Flask**, achieved test coverage higher than 90% and set up the CI/CD pipeline
- Set up the CI/CD pipeline for an existing system
- Begin with analyzing template extraction problem

Project Manager (Jan 2019 - March 2019)

DLT Lab, National Cheng Kung University

- Containerized and fixed legacy projects in **The Mosquito Man**
- Introduced code review culture to a newly formed team
- Set up a **drone** CI/CD server and created CI pipelines for two ongoing projects

Chief Teaching Assistant (May 2018 - Nov 2018)

X-Village program, National Cheng Kung University

- Managed the executive team with 16 members
- Reviewed the teaching proposal of Python course, "Programming Design Foundation"
- Designed exercises for "Data Structure," the first section of "Computer Science Foundations"
- Lectured "Web Programming, Database/Cloud Computing," the fourth section of "Computer Science Foundations"

Substitute Military Service (July 2015 - July 2016)

K-12 Education Administration, Ministry of Education

- Maintained legacy systems implemented in multiple languages (e.g., C#, VBScript, PHP, and etc.)
- Developed automation programs for generating reports which save 80% of human labor time
- Delivered a human resource management system using **django**

Education

2016 - 2018

Master, Computer Science and Information Engineering

National Cheng Kung University (Tainan, Taiwan)

GPA: 4.16/4.3

2011 - 2015 **Bachelor, Industrial and Information Management**
Double Major: Computer Science and Information Engineering
National Cheng Kung University (Tainan, Taiwan)
GPA: 3.77/4.0

Technical Experience

Skill **Intermediate:** Python, Web Backend Development, Git, Linux
Beginner: Docker, Project Management, Data Analysis, Java

Additional Experience **SITW Second Hand Trade:** Website for students to trade seconded goods
(Developed backend using **django**)

Dengue Line Bot: Chatbot that answers dengue fever related questions
(Developed backend using **django**)

vivid-bot: Paraphrasing Chinese sentences according to different personalities
In this project, we used natural language processing tools such as **jieba**, **word2vec**
and **nltk** and combined concepts from psychology.

Line Echo Bot: Line chatbot implementation using various Python web frameworks including **django**, **flask**, and **sanic**

Open Source Contributions **git extras:** Add `git ignore-io` command

templater: Update **templater** to Python3 and release **templater3**

flask, **batavia**, **toga**, **podium**, **wtforms-json**, **pipreqs**, **edx-platform**, **edx-documentation**,
pelican-clean-blog, **pip-check**: Bug fixes

Honors & Awards

2013 Honorable Mention 2013 Railway Application Section Problem Solving Competition

2012-2013 Outstanding Student Wei Lee - For the Academic Achievement in 2012-2013

2011-2012 Outstanding Student Wei Lee - For the Academic Achievement in 2011-2012

Publications

1. Wei Lee, Chien-Wei Chang, Po-An Yang, Chi-Hsuan Huang, Ming-Kuang Wu, Chu-Cheng Hsieh, Kun-Ta Chuang "Effective Quality Assurance for Data Labels through Crowdsourcing and Domain Expert Collaboration" 21st International Conference on Extending Database Technology, Demo Track (EDBT-2018)
2. I-Lin Wang, Wei Lee, Chiao-Yu Liao "Effective Heuristics for Scheduling Hump and Pullback Engines in Railroad Yard Operational Plans" Proceedings of the 10th Annual Conference of the Operations Research Society at Taiwan (ORSTW 2013)