

Lee, Wei

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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

Work Experience

Software Engineer (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**

Technical Experience

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| 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 <code>git ignore-io</code> command templater: Update templater to Python3 and release templater3 batavia , toga , podium , wtforms-json , pipreqs , pelican-clean-blog , pip-check : Bug fixes |

Honors & Awards

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| 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)