

Wei Lee

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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
- Built data pipeline through **Airflow**
- Built best practice template for internal Python projects
- Set up the CI/CD pipeline through **Jenkins** for existing systems to enhance productivity
- Added test for existing projects to ensure the functionality correctness
- Cooperate with oversea teams in San Mateo and Ukraine

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
- Organized two months of full-time courses and a one-semester 3 credit course
- 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, etc.)
- Developed automation programs for generating reports which save 80% of human labor time
- Delivered a human resource management system using **django**

Technical Experience

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

Additional Experience	<p>SITW Second Hand Trade: Website for students to trade seconded goods (Developed backend using django)</p> <p>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.</p>
Open Source Contributions	<p>commitizen: Add new features and refactor codebase</p> <p>git extras: Add <code>git ignore-io</code> command</p> <p>templater: Update templater to Python3 and release templater3</p> <p>flask, batavia, toga, podium, wtforms-json, pipreqs, edx-platform, edx-documentation, pelican-clean-blog, pip-check: Bug fixes</p>

Public Speaking Experience

- **PyCon CA 2019 - Python Table Manners - A Clean Style**

Community Involvement

PyCon Taiwan

- Program Chair (Dec 2019 - Present)
- Program Committee Member (Jul 2019 - Nov 2019)

Education

2016 - 2018	<p>Master, Computer Science and Information Engineering National Cheng Kung University (Tainan, Taiwan) GPA: 4.16/4.3</p>
2011 - 2015	<p>Bachelor, Industrial and Information Management Double Major: Computer Science and Information Engineering National Cheng Kung University (Tainan, Taiwan) GPA: 3.77/4.0</p>

Honors & Awards

2013	Honorable Mention 2013 Railway Application Section Problem Solving Competition
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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)