

# Wei Lee

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## Work Experience

### Machine Learning Engineer (Apr 2017 - Present) Rakuten USA

- Improved software engineering culture through building project templates that reduce project initialzing time and automatically checks errors before code review
- Developed backend API for machine learning services
- Built data pipelines through **Apache Airflow** for processing data larger than 10G and generating models
- Designed and developed data labeling backend which automates the interaction between crowd-sourcing workers and experts to generate high quality labeled data
- Cooperate with overseas 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, 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

### Substitute Military Service (July 2015 - July 2016) K-12 Education Administration, Ministry of Education

- Maintained legacy systems implemented in multiple languages, including 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, Git, Linux, Data Engineering, Web Backend Development

**Intermediate:** AWS, Project Management, Data Analysis

**Open Source** **commitizen-tools:** Maintainer

**Contributions** **PyCon TW:** Develop **mail\_handler** and maintain **postevent-report-generator**

**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

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

## Public Speaking Experience

- Euro Python 2020, Remote Python Pizza 2020, PyCon CA 2019, SITCON 2019

## Community Involvement

### PyCon Taiwan

- Chairperson (Oct 2020 - Present)
- Program Chair (Dec 2019 - Sep 2020)
- Program Committee Member (Jul 2019 - Nov 2019)

## 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

## Honors & Awards

- 2013**      Honorable Mention 2013 Railway Application Section Problem Solving Competition

## 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)