# Wei Lee

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| Email | **weilee.rx@gmail.com** |
| Github | `https://github.com/Lee-W` |
| Linkedin | `https://www.linkedin.com/in/clleew/` |
| Website | `http://lee-w.github.io` |

## ▬▬▬▬ 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**
- 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

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

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| **Additional Experience** | **SITW Second Hand Trade**: Website for students to trade seconded goods (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. |
| **Open Source Contributions** | **commitizen**: Add new features and refactor codebase |
| | **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 |

## Public Speaking Experience

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

## Community Involvement

**PyCon Taiwan**

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

## Education

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| **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

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| **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)