

# Lee, Wei

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Github <https://github.com/Lee-W>  
Website <http://lee-w.github.io>

## 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

## Experience

### Independent Contractor (Apr 2017 - Present)

Slice Technologies, Inc

- Develop the backend of an application in Flask with test coverage higher than 90%
- Create a CI/CD pipeline for the existing code

### Chief Teaching Assistant (May 2018 - Nov 2018)

**X-Village** program, NCKU

- Manage the executive team with 16 members
- Review the teaching proposal of Python course, "Programming Design Foundation"
- Design exercises for "Data Structure," the first section of "Computer Science Foundations"
- Lecture "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

- Maintain systems
- Develop automation programs for generating reports
- Deliver a human resource management system using Django

## Technical Experience

**Skill**              Python, Web Backend Development, Git

**Project**            **SITW Second Hand Trade:** Website for students to trade seconded goods  
(Develop backend using Django)

**Dengue Line Bot:** Chatbot that answers dengue fever related questions  
(Develop 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  
**batavia**, **wtforms-json**, **pipreqs**, **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)