Chen-Ming **Yang**

SOFTWARE ENGINEER · PYTHON DEVELOPER · COMPUTER VISION · DEEP LEARNING

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"A Foolish Consistency is the Hobgoblin of Little Minds"

Summary

Current research assistant in Academic Sinica and Institute of Information Science. With 2+ years of experience in computer vision / deep learning. Interested in learning new technologies and tools to enhance my own workflow. So far, familiar with the development on Ubuntu with tmux, vim, vscode, jupyter, git, docker, etc.

Work Experience

Academic Sinica, Institute of Information Science   *Taipei, Taiwan*

RESEARCH ASSISTANT & RDSS (COMPULSORY MILITARY SERVICE)   *Aug. 2016 - PRESENT*

- Build up the tracking pipeline for beetles social behavior analysis. (GitHub)
- Cooperate the paper "Artificial intelligence reveals environmental constraints on colour diversity in insects" with ESSLab.
- Developed 3+ tools for data annotation. (tkinter/ OpenCV/ PyQt5)
- Have 5 times public presentation about Python-tutorial and Crawling. (slideshare / GitHub)
- Developed a pipeline to discriminate the cyber warrior on PPT.
- Developed a simple dashboard with SB Admin2 to visualize organization data. (datasci)
- Manage lab server over 10+ machines including GPU server and NAS.

ASUS   *Central section, Taiwan*

INTERN & CAMPUS EXECUTIVE OFFICER   *Jun. 2012 - Jun. 2013*

- Storage management and Customer service in the repair center. (part-time)
- Support win8-series product press conference.
- Promoter Support in Information exhibition. (Taichung)

Skills & Interested

[dev] git, tmux, ssh, vscode - [test/ vis] jupyter - [deploy] py, sh, pipenv, Dockerfile

DEVELOPMENT/ TOOLS

3+ months	**Docker,** Primarily use to different deep learning framework and CUDA version.	*Frequently Used*
.5 years	**MySQL,** Used with PHPMyAdmin to maintain organization activity logs.	*Used*
1+ years	**OpenCV,** Primary use to do computer vision task.	*Frequently Used*
1+ years	**PyQt5/ Tkinter,** Primary use to present a simple interface for demo or visualization.	*Used*
3+ years	**Ubuntu,** Used in daily life for 14.04-18.10.	*Frequently Used*
2+ years	**VSCode/ Vim,** Primary use to edit the code locally and remotely with various plugin.	*Frequently Used*

PROGRAMMING

2 years	**C++,** Used in the course projects in university.	*Used*
2 years	**JavaScript,** Simply binding with HTML and the Bootstrap.	*Used*
3+ years	**Python,** Used for GUI tools, analyze, and build up the script tools.	*Familiar*
1 year	**RScript,** For simple data analysis and recommend system.	*Used*

RESEARCH/ INTERESTED

1 year	**Data analysis,** interested in finding the hidden value behind the data.	*Used*
1+ year	**Deep Learning,** especially on detection and tracking (computer vision task).	*Frequently Used*
2+ year	**MIS,** get interested since be involved in the server maintained.	*Used*