Chen-Ming **Yang**

SOFTWARE ENGINEER · PYTHON DEVELOPER · COMPUTER VISION · DEEP LEARNING

Taipei, Taiwan

☐ (+886) 933-964787 | ✉ afun@afun.tw | afunTW | in chen-ming-yang | ✉ @afun | ✈ a_fun

"A Foolish Consistency is the Hobgoblin of Little Minds"

Summary

Current research assistant in Academic Sinica and Institute of Information Science. Self-learning and develop computer vision / deep learning projects (3+ projects). Also, still interested in software skills and modern developer workflow (Docker/ GitHub/ Travis/ Kubernetes/ Ubuntu).

Looking for Computer Vision or Software Engineer position and interested in Data Analyst/ Data Engineer/ Machine Learning.

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*