



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. 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

- [Automaticity] Build a beetle trajectory tracking pipeline for biology researcher to replace human labeling process.
- [Research] Cooperate the paper "Artificial intelligence reveals environmental constraints on colour diversity in insects" with ESSLab.
- [Speeches] 5+ public presentation about Python-tutorial and Crawling. (slideshare / GitHub)
- [Tools] 3+ tools for data annotation. (tkinter/ OpenCV/ PyQt5)
- [Tools] Developed a pipeline to discriminate the cyber warrior on PPT.
- [Tools] Combine Bootstrap dashboard to visualize internal data and search the customer in 1 minute.
- [Tools] Build a simple mail server by postfix to reduce organization cost.
- [Server] Maintain lab 10+ servers, using NIS to centralized account management.

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

Frequently Used

Used

Frequently Used

Used

Frequently Used

Frequently Used

PROGRAMMING

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

Used

Used

Familiar

Used

RESEARCH/ INTERESTED

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

Used

Frequently Used

Used