



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.

Education

National Chi Nan University (NCNU)

Nantou, Taiwan

BS & MASTER'S DEGREE IN COMPUTER SCIENCE AND INFORMATION ENGINEERING

Sep. 2011 - Jul. 2016

- The Master research competition in the department. (First Prize)
- Paper "Integrated Sleep Scheduling for Multiple Relays and UEs in LTE-TDD"
- The Director of Student Association of CSIE Department.

Memorial University of Newfoundland (MUN)

St. John, NL, Canada

BACHELOR EXCHANGE STUDENT IN COMPUTER SCIENCE

Sep. 2014 - Apr. 2015

- Two semesters with GPA 3.5, 3.6 respectively.

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] 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.

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

PROGRAMMING

2 years **C++**, Used in the course projects in university.

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