Chen-Ming **Yang**

SOFTWARE ENGINEER · PYTHON · COMPUTER VISION

Taipei, Taiwan

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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 from scratch. Cooperate with Biodiversity Research Center, ESSLab. (GitHub)
- Publish the paper "Artificial intelligence reveals environmental constraints on colour diversity in insects". Cooperate with ESSLab.
- Developed some easy-to-use UI for data annotation by tkinter and PyQt5.
- Designed and have the speech a payment course, Python-Crawling-Tutorial. (datasci, AIA, 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.

Imonology *Remote, Taiwan*

INTERN & QA ENGINEER *Sep. 2015 - Apr. 2016*

- Test the IPCam System in Scrum.

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)
- Support distributor conference

Skills & Interested

tmux + ssh on Ubuntu > jupyter (test / vis) > *.py + *.sh + pipenv or Dockerfile (deploy)

DEVELOPMENT

3+ years	**Ubuntu,** Used in daily life with the desktop version since the version of 14.04 comes out.		*Frequently Used*
3+ months	**Docker,** Primarily used for different deep learning framework and CUDA version.		*Frequently Used*
2+ years	**VSCode,** Primarily used for Python dev, *.csv, *.json, *.md locally. Or, edit the remote file by ssh tunnel.		*Familiar*

PROGRAMMING

3+ years	**Python,** available for multi-tasks such as build-up the tools, scripts, and do analyze	*Familiar*
1 year	**RScript,** used to do simple data analysis and recommend system.	*Used*
2 years	**C++,** used in the course project in university.	*Used*

RESEARCH

n year	**Software,** always follow up the new tech about design, tools, and architecture	*Frequently Used*
2+ year	**Management,** get interested since be involved in the server maintained.	*Used*
1+ year	**Deep Learning,** especially on detection and tracking (computer vision task).	*Frequently Used*
1 year	**Data analysis,** interested in finding the hidden value behind the data.	*Used*

Presentation

BigData Center, Shih Hsin University
Lecturer for <Python-Crawling-Tutorial>

- GET/ POST crawling
- PTT Crawling
- Facebook Graph API Crawling

Taipei, Taiwan
Oct. 2018

AI academy course
Lecturer for <Python-Crawling-Tutorial>

- Video recording
- GET/ POST/ File/ Website/ Selenium crawling
- Facebook Graph API Crawling

Remote
Jun. 2018

Aletheia University
Lecturer for <Python Tutorial>, <Python-Crawling-Tutorial>

- Python basic, Pandas
- GET/ POST/ File/ Website crawling
- Facebook Graph API Crawling

Taipei, Taiwan
Dec. 2017, Jan. 2018

DataSci series course
Lecturer for <Python-Crawling-Tutorial>

- File/ Website/ Selenium crawling
- Facebook Graph API Crawling
- Anti-crawling

Academic Sinica, Taiwan
Aug. & Dec. 2017

Writing

Tech write-up
Writer

- Personal tech write-up for all the field I interested in.

Medium
May. 2018 - PRESENT

Makers' Open Lab for Innovation
Writer of knowledge-based sharing system

- Personal tech write-up for all the field I interested in.

blog.moli.rocks
Nov. 2016 - Sep. 2017

Education

National Chi Nan University (NCNU)
Master's degree in Computer Science and Information Engineering

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

Nantou, Taiwan
Sep. 2015 - Jul. 2016

Memorial University of Newfoundland (MUN)
Bachelor Exchange Student in Computer Science

- Two semesters with GPU 3.5, 3.6 respectively.
- COMP 1710 - Object-Orient Program, COMP 2500 - Data Anlys with Script Language, COMP 3715 - Network Comp/ Web Application
- COMP 3719 - Theory of computation and algorithm, COMP 4759 - Computer Network

St. John, NL, Canada
Sep. 2014 - Apr. 2015

National Chi Nan University (NCNU)
Bachelor's degree in Computer Science and Information Engineering

- The Director of Student Association of CSIE Department.

Nantou, Taiwan
Sep. 2011 - Jun. 2015