Wu Cheng-Fu

Basic Info

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https://gitlab.com/phunc20
https://github.com/phunc20
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https://www.youtube.com/@phunc20

Working Experiences

2024 (2 month(s))	NATIONAL KAOHSIUNG UNIVERSITY OF SCIENCE AND TECHNOLOGY (OCR) **A Not-Very-Innovative Startup Project with Limited Budget** Model selection/training, data cleaning, etc.
2021 - 2023 (2 year(s))	MTI AI LAB (Document AI Team) **Vietnamese Diacritic/Acronym/etc. Restoration** https://pypi.org/project/vina2vi/ **Seal Removal** Use image processing techniques to reduce occlusion of optical characters by red seals **Profiling and Refactorization** `cProfile` and `snakeviz` to locate and improve the main model's inference time by 37% **Re-Implementation of Evaluation Pipeline** Excel error analysis visualization, design of performance scores, etc. **Orientation Correction** Found a heuristic and trained a DL classification model. Both integrated into the codebase
2018 - 2020 (3 year(s))	FPT SOFTWARE (R&D) **Food on Table** Binary classification. Test set `recall: 0.90, precision: 0.97, auc: 0.94` **Social Distancing** Detection of violation of two-meter distance (video frames) **Clothes Distinction** Distinguish between shop employees and customers **Face Aging** DCGAN (TensorFlow 1)

Skill Set

Computer

Languages	
DL Frameworks	TensorFlow, PyTorch, `Flux.jl`, 🤗 Ecosystem
Others	Linux, AirFlow, AWS, Basic CICD

Non-Computer

Languages	🇹🇼 🇺🇸 🇫🇷 🇻🇳 🇩🇪 (all above **B2**)

Education

2012 - 2016	UNIVERSITÉ PIERRE ET MARIE CURIE Major: *Mathematics and Applications* Bac+4.5
2007 - 2011	NATIONAL TAIWAN UNIVERSITY Major: *Mathematics* Bachelor of Science