

Lam Yuen Ho Joseph

Passionate software engineer with 2+ years of experience in a multi-cultural environment. Willing to learn and provide ideas while pursuing the latest technologies to improve the workflow.

Email:	yuenholam@gmail.com	Mobile:	+852 91726708
GitHub:	github.com/JosephLYH	Address:	Hong Kong
LinkedIn:	linkedin.com/in/lam-yuen-ho-joseph		

WORK EXPERIENCE

ASMPT Limited

Software Engineer

06/2022 – Present

- Rewrote the deep learning pipeline to utilize GPU speedup to achieve 5x speedup in training time utilizing distributed training, GPU acceleration, and mixed-precision training
- Designed, implemented and maintained software for creating artificial training data with finetuned inpainting models, generating 300+ samples/h without GPU
- Jointly designed and implemented high speed segmentation models to achieve 50% higher throughput
- Implemented features and maintained software in C/C++ and Lua
- Automation scripts and configurations for triggering data pipeline and AI model training for use by product team

Hong Kong Applied Science and Technology Research Institute (ASTRI)

Summer Intern

06/2021 – 08/2021

- Built backend servers for hosting AI models using Python, Flask, Docker, MongoDB, MySQL, AWS, Anaconda and conduct testing with Postman
- Implemented APIs for initiating training, uploading and downloading a trained model
- Frontend web development using React.js

ROBOT DATA CO. LTD

Intern

09/2017 – 09/2018

- Assisted in data collection for chatbots and computer vision AI
- Created visualization using PowerBI and Tableau
- Assisted technical support for clients

EDUCATION

Bachelor of Engineering

(Computer Engineering)

The University of Hong Kong

09/2018 – 06/2022

- *Second Class Honours (Division One)*
- Dean's Honors List 2020 – 2021
- General Secretary of Swire Hall Student's Association, Session 2019 – 2020

- Financial Secretary of Joint Hall Cultural Committee, Session 2019 – 2020
- Team captain of Swire Hall Squash Team

PERSONAL PROJECTS

Captcha breaking court booking AI

- To book courts early in the morning automatically for hall sports teams
- Wrote script to crawl the website to get training data, trained and deployed the AI in 3 days

Discord bot integration with Stable diffusion

- Integrated stable diffusion into discord bots for use in private servers

SKILLS

Programming Languages

- Python, C/C++, Lua, Shell, SQL, Java, HTML, CSS, Javascript

Frameworks and Tools

- PyTorch, TensorFlow, Docker, Flask, Django, MongoDB, MySQL, AWS, Anaconda, Redis, Kafka

CERTIFICATES

- Microsoft Professional Program Data Science Certificate (02/2018)

LANGUAGES

- Cantonese
- English
- Mandarin