

KAM WOH NG

kamwoh@gmail.com

linkedin.com/in/thomas-ng-kam-woh/ • kamwoh.github.io • github.com/kamwoh

EDUCATION

University of Surrey (Guildford, England)

October 2021 - June 2025

Vision, Speech and Signal Processing Ph.D.

- ◊ Under the supervision of Prof. Tao Xiang and Prof. Yi-Zhe Song.
- ◊ Two works on deep hashing were accepted in NeurIPS 2021 and BMVC 2023 respectively.
- ◊ A work on fine-grained representation was accepted in FGVC11 (CVPRW 2024) and received best paper award.
- ◊ Completed a work on AIGC [Link].
- ◊ Completed a work on Fine-grained 3D generation [Link].
- ◊ Ph.D. Thesis: [Link].

University of Malaya (Kuala Lumpur, Malaysia)

August 2015 - January 2019

Bachelor of Computer Science (Artificial Intelligence)

CGPA: 3.89/4.00

- ◊ Final year project was accepted in AAAI-19 workshop.

TECHNICAL EXPERTISE

Programming & Scripting Python, Java, C/C++/C#, Bash, HTML5/CSS3/Javascript

Development Framework ReactJS, Flask, Unity3D

Deep Learning Framework PyTorch, Tensorflow

WORKING EXPERIENCES

Meta AI, Monetization

May 2025 - Present

London, United Kingdom

AI Research Scientist

- ◊ Working on Video Diffusion Models.

- ◊ Working on Generative Neural Rendering.

Meta AI

Aug 2024 - April 2025

London, United Kingdom

Research Scientist Intern

- ◊ Worked on Video Diffusion Models.

- ◊ Worked on Generative Neural Rendering.

Huawei

Feb 2024 - July 2024

London, United Kingdom

Research Scientist Intern

- ◊ Worked on AIGC.

- ◊ Completed a work on Fine-grained 3D generation.

AI Department

Nov 2019 - Mar 2021

WeBank, Shenzhen, China

AI Research Engineer

- ◊ Research focus on security in Federated Learning (such as privacy protection, adversarial defense).

- ◊ Two works on protecting Intellectual Property Right of DNN were accepted in CVPR 2021 and TPAMI 2021.

- ◊ A work on deep hashing was accepted in IJCAI 2020.

- ◊ Contributed in the workshops of IEEE BigData 2020 and AAAI 2021.

- ◊ Contributed in editing a Springer book – Federated Learning.

Center of Image and Signal Processing

Feb 2019 - Oct 2019

University of Malaya, Kuala Lumpur, Malaysia

Research Assistant

- ◊ Under the supervision of Professor Dr. Chan Chee Seng (UM) and Dr. Lixin Fan (WeBank).

- ◊ Research focus on AI security.
- ◊ A work on protecting Intellectual Property Right of DNN was accepted in NeurIPS 2019.

MoneyLion Malaysia Sdn Bhd
Kuala Lumpur, Malaysia
AI Researcher (Part-time)

Mar 2019 - Aug 2019

- ◊ Research focus on analyzing transaction using interpretable machine learning .

Xendity Pte Ltd
Kuala Lumpur, Malaysia
AI Engineer

Sep 2018 - Feb 2019

- ◊ Responsible to build and improve OCR technology for e-KYC system.

Center of Image and Signal Processing
University of Malaya, Kuala Lumpur, Malaysia
Research Intern

Jul 2016 - Aug 2016

- ◊ Under supervision of Dr. Chan Chee Seng.
- ◊ Built a deep learning based Malaysia car plate recognition system.

TEACHING EXPERIENCE

Centre for Vision, Speech and Signal Processing
University of Surrey, Guildford, United Kingdom

Feb 2023 - Dec 2023

Teaching Assistant

- ◊ EEEM071 Advanced Topics in Computer Vision and Deep Learning
- ◊ EEEM066 Fundamental of Machine Learning

Faculty of Computer Science and Information Technology
University of Malaya, Kuala Lumpur, Malaysia

Sep 2016 - Dec 2018

Teaching Assistant

- ◊ WIX1002 Fundamentals of Programming
- ◊ WIA1002 Data Structures

ACHIEVEMENT HIGHLIGHTS

AI RELATED

| | | |
|---|--------------|--------|
| eBay eProduct Visual Search Challenge - FGVC9 (CVPR 2022) | Second Place | [Link] |
| IKCEST Bigdata Challenge 2019 | 36th Place | [Link] |
| Grab AI for S.E.A. Challenge | Top 10 | [Link] |

COMPETITIVE PROGRAMMING

| | | |
|---|------------------|--------|
| E-Genting Programming Competition 2018 | First Prize | [Link] |
| ACM-ICPC Malaysia al-Khawarizmi National Programming Contest 2018 | Second Prize | [Link] |
| Prosolve National Programming Competition 2018 | Third Prize | |
| UNICODE Programming Contest 2017 | Second Runner-Up | |
| ATURKREATIF'17 Open Programming Competition | First Runner-Up | |
| E-Genting Programming Competition 2017 | Second Prize | [Link] |

OTHERS

| | | |
|---|----------------------|--------|
| KPMG Security Challenge 2018 Malaysia | 4th Place | |
| HEREMYHACK Virtual Hackathon 2018 | Second Prize | [Link] |
| Park of the Future Hackathon 2018 | Open Category Winner | [Link] |
| F-Secure Intervarsity Cyber Security Competition 2017 | Top 5 | [Link] |
| Sunway CityHack 2017 | First Prize | |
| Unlock Asia AI Robot & Big Data Hackathon 2016 | First Prize | |

AWARDS

Best Paper Award*The Eleventh Workshop on Fine-Grained Visual Categorization (FGVC11)*

Awarded for my paper on fine-grained representation learning for image retrieval.

Dean's Special Award*May 2019**Faculty of Computer Science and Information Technology, University of Malaya*

Awarded for my exceptional co-curricular and academic achievements.

Excellent Academic Project Award*May 2019**Faculty of Computer Science and Information Technology, University of Malaya*

Selected and awarded as the best academic project in the department. Work is accepted in AAAI-19 Workshop on Network Interpretability for Deep Learning.

ADDITIONAL EXPERIENCE

1. Developed an open source image retrieval project – Fast Image Retrieval (FIRe) which implemented most of the major binary hashing methods. [GitHub]
2. Springer book: "Federated Learning: Privacy and Incentive" organizing committee. [Link]
3. AAAI 2021 workshop: "Towards Robust, Secure and Efficient Machine Learning" organizing committee. [Link]
4. Contributed for development of CosMos, a system to monitor COVID-19 patients in Malaysia. [News]
5. Experienced in OCR engine development.