Hoe Jiun Tian

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Education

University of Malaya   *Kuala Lumpur, Malaysia*
BACHELOR OF COMPUTER SCIENCE(ARTIFICIAL INTELLIGENCE)   *Sep 2018 - Feb 2022*
- Current CGPA 3.99/4.00

Working Experience

Center of Image and Signal Processing, Universiti Malaya   *Kuala Lumpur, Malaysia*
RESEARCH ASSISTANT   *Jan 2021 - Now*
- Research on Image Hashing under supervision of Prof. Chan Chee Seng
- One accepted **work** as first author in NeurIPS 2021
- Developed and open source Fast Image Retrieval framework - **FIRe**

MoneyLion Malaysia Sdn Bhd   *Kuala Lumpur, Malaysia*
INTERN   *Mar 2019 - Jan 2021*
- Maintain AI rule-based decision engine based on Spring Framework
- Optimized AI algorithm model deployments that run on Java(Spring) and Python(Flask)
- Research on latest solution of using Kubernetes in AI model deployments

Teaching Experience

Teaching Assistant   *Kuala Lumpur, Malaysia*
FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY, UNIVERSITY OF MALAYA   *Sep 2019 - Feb 2022*
- WIA1002 Data Structures   Semester 2, Academic Session 2020/ 2021
- WIA1002 Data Structures   Semester 2, Academic Session 2019/ 2020
- WIX1002 Fundamental of Programming   Semester 1, Academic Session 2019/ 2020

Honors & Awards

INTERNATIONAL

| 2019 | **36th**, IKCEST Big Data Competition 2019 | *Online* |

DOMESTIC

2022	**1st Place**, 2021 IEEE FYP Competition - Signal and Image Processing and Analysis Track	*Malaysia*
2019	**2nd Place**, Can You Hack It 2019	*Malaysia*
2019	**Top 5**, Unblockathon	*Malaysia*
2018	**10th Place**, UiTM ProSolve Programming Competition	*Malaysia*
2018	**2nd Place**, UM Programming League Open Category	*University of Malaya*

Publication * indicate equal contribution

Unsupervised Hashing with Normalized Angular Reconstructive Embeddings   *CVPR 2022*
KAM WOH NG*, **JIUN TIAN HOE***, TIANYU ZHANG, CHEE SENG CHAN, YI-ZHE SONG, TAO XIANG   *Under Review*

One Loss for All: Deep Hashing with a Single Cosine Similarity based Learning Objective   *NeurIPS 2021*
JIUN TIAN HOE*, KAM WOH NG*, TIANYU ZHANG, CHEE SENG CHAN, YI-ZHE SONG, TAO XIANG [**LINK**]   *Dec 2021*

Technical Expertise

Programming/Scripting	Python, Java, Bash, HTML5/CSS3/Javascript, LaTeX
Frameworks and Tools	PyTorch, Git, OpenCV, Flask, Docker, ReactJS, Spring, Kubernetes, Keras, Tensorflow
Artificial Intelligence	Deep Learning, Machine Learning, Convolutional Neural Network, Probability and Statistic