

Hoe Jiun Tian

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Education

University of Malaya

BACHELOR OF COMPUTER SCIENCE (ARTIFICIAL INTELLIGENCE)

- Current CGPA 3.99/4.00

Kuala Lumpur, Malaysia

Sep 2018 - Feb 2022

Working Experience

Center of Image and Signal Processing, Universiti Malaya

RESEARCH ASSISTANT

- 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**

Kuala Lumpur, Malaysia

Jan 2021 - Now

MoneyLion Malaysia Sdn Bhd

INTERN

- 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

Kuala Lumpur, Malaysia

Mar 2019 - Jan 2021

Teaching Experience

Teaching Assistant

FACULTY OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY, UNIVERSITY OF MALAYA

- WIA1002 Data Structures
- WIA1002 Data Structures
- WIX1002 Fundamental of Programming

Kuala Lumpur, Malaysia

Sep 2019 - Feb 2022

Semester 2, Academic Session 2020/ 2021

Semester 2, Academic Session 2019/ 2020

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

One Loss for All: Deep Hashing with a Single Cosine Similarity based Learning Objective

NeurIPS 2021

JUN 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