JIERUN CHEN

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EDUCATION

The Hong Kong University of Science and Technology   *Sep. 2019 - Present*
Ph.D. in Computer Science and Engineering
Supervisor: Shueng-Han Gary Chan

Zhejiang Univeristy   *Sep. 2014 - June 2018*
B.Eng in Electrical Engineering and Automation, GPA: 3.8 / 4.0
High Distinction from Edison Experimental Class

Singapore University of Technology and Design   *Sep. 2016 - Dec. 2016*
Exchange Student in Engineering Product Design, GPA: 5.0 / 5.0

PUBLICATIONS

Jierun Chen is interested in efficient neural network design, image and video processing, and deep learning.

1. TVConv: Efficient Translation Variant Convolution for Layout-aware Visual Processing
   Jierun Chen, Tianlang He, Weipeng Zhuo, Li Ma, Sangtae Ha, S.-H. Gary Chan
   IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2022

2. Joint Demosaicking and Denoising in the Wild: The Case of Training Under Ground Truth Uncertainty
   Jierun Chen, Song Wen, S.-H. Gary Chan
   AAAI Conference on Artificial Intelligence (AAAI), 2021

3. Semi-supervised Learning with Network Embedding on Ambient RF Signals for Geofencing Services
   Weipeng Zhuo, Ka Ho CHIU, **Jierun Chen**, Jiajie Tan, Edmund Sumpena, Sangtae Ha, S.-H. Gary Chan,
   Chul-Ho Lee
   In submission, 2022

SELECTED AWARDS

- RedBird Academic Excellence Award, HKUST, 2022

- Postgraduate Scholarship, HKUST, 2019-2023

- Outstanding Graduate, ZJU, 2018

- Scholarship for Excellence in Research and Innovation, ZJU, 2017

- 1st prize in Nanjiang Lebo Cup Provincial Robot Competition (ranked 1/62), 2017

- 1st prize in National Undergraduate Electronic Design Contest (ranked 3/109 in Zhejiang Division), 2017

- Scholarship for Outstanding Merits, ZJU, 2015, 2017

- Excellent Student Awards, ZJU, 2015, 2017

WORKING EXPERIENCE

Unity Drive Innovation, Shenzhen   *Sep. 2018 - Jan. 2019*
SLAM Algorithm Intern, supervised by Ming Liu

TEACHING ASSISTANT

- COMP 2012H Honors Object-Oriented Programming and Data Structures, Fall 2022

- COMP 4911/6613D/ENTR4911 IT Entrepreneurship, Fall 2021

- COMP 4021 Internet Computing, Fall 2020

- COMP 4611 Design and Analysis of Computer Architectures, Spring 2020

ACADEMIC SERVICES

Reviewer: CVPR 2023, INFOCOM 2020 - 2023, BMVC 2020 - 2021