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EDUCATION

Hong Kong University of Science and Technology

Sept 2015 – Present

BSc in Computer Science and Mathematics | Engineering School

Expected Graduation: June 2020

- S.S. Chern Class of Mathematics; Dean's List in all semesters; Recruitment Scholarship; Scholarship for Continuing UG Students 2016-2018;

Washington University in St.Louis

Jan 2018 – May 2018

Engineering School | Exchange Program

- GPA: 3.90/4.00

RESEARCH EXPERIENCE

Nonlocal Meets SENet and Beyond (in Progress)

Dec 2018 – Mar 2019

Researcher Mentor: Yue Cao, Han Hu

Beijing

- Integrated and unified Nonlocal block and SE module, two of top popular papers in CVPR 2018.
- Proposed a general global context modeling framework and a light weight instantiation.
- Achieved significant improvement on major recognition tasks with less than 0.26% computational cost.

Spatial-Temporal Relation Network for Multi-Object Tracking (in Progress)

Sep 2018 – Nov 2018

Researcher Mentor: Han Hu, Jifeng Dai

Beijing

- Proposed a unified feed-forward framework for similarity measure in end-to-end manner.
- Integrated multiple heterogeneous cues across spatial and temporal domain in a single coherent network.
- First applied relation module in Multi-Object Tracking problem.
- Achieved state of the art Multi-Object Tracking results on all MOT leaderboard.

End-to-End Deep HDR Imaging with Large Foreground Motions (ECCV 2018 Poster)

Sep 2017 – Nov 2017

Researcher Mentor: Chi-Keung Tang

Hong Kong

- Introduced a much faster and more practical method for HDR image generation.
- Proposed the first non-flow-based end-to-end deep framework for high dynamic range imaging.
- Generated state of the art HDR images of dynamic scenes without artifacts and ghost.

Algorithms and Games in Android Devices

June 2016 – Aug 2016

Developer

Hong Kong

- Learnt Wi-Fi Peer to Peer communication protocol and Java Inputstream and Ouputstream.
- Implemented an application with connection, chatting, and file transferring functions.
- Demonstrated perfect smooth running of application.

WORKING EXPERIENCE

Microsoft Research Asia

May 2018 – Present

Research Intern Mentor: Jifeng Dai

Beijing

- Researched on video object detection and tracking
- Implemented stable video object detection.
- Worked on multiple object tracking and ranked high on the MOT leaderboard.

Magnum Research Limited

Sep 2017 – Jan 2018

Software Developer

Hong Kong

- Developed, beatify and maintain the company main web page.
- Designed and built the company resource CMS system.

TFI Digit Limited

June 2017 – August 2017

Software Developer

Hong Kong

- Implemented the automatic subtitle system for product team.
- Evaluated various speech to text recognition APIs.
- Developed Meeting tagging iOS application for automatic meeting minutes.

Demand & Supply Limited

Dec 2016 – May 2017

Full-Stack Developer

Hong Kong

- Solved the troubleshoot issues arising from end-user experiences.
- Implemented the automation of quotation system in CMS.
- Improved PayPal Adaptive Payments API allowing delayed chained payments.

ACTIVITY

RoboMasters Team of HKUST Robotics Institution

Nov 2016 – Present

Software Developer

Hong Kong

- Won the champion in international wildcard game.
- Implemented control algorithm of 5 infantry robots for operators.
- Developed target recognition system for infantry robot with OpenCV.

Big Datathon Competition 1st runner up

Dec 2017-Dec 2017

Data Developer

Hong Kong

- Committed to team work to demonstrate project idea and data.
- Crawled the data from Facebook, Instagram and OpenRice and performed data analyze.

SKILLS

Computers	Python, C++, MATLAB, LATEX, JavaScript, HTML, CSS
Courses	Deep Learning, Computer Vision, Computer Graphic, Database Management Systems, Operating Systems, Software Engineering, Object-Oriented Programming,
Languages	Mandarin (native), English (fluent), Cantonese (moderate)