

Hong Wing PANG

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Education

2020 - 2022 (expected)	MPhil in Computer Science Hong Kong University of Science and Technology Research interests: Image synthesis, generative networks, computer vision Supervised by Prof. Sai-kit Yeung
2015 - 2020	BEng in Computer Science Hong Kong University of Science and Technology Graduation GPA: 3.740 / 4.300, first class honors Minor in Robotics
2018	International exchange Faculty of Informatics, TU Munich, Germany
2013 - 2015	International Baccalaureate Diploma Diocesan Boys' School, Hong Kong

Experience

01/2021 - 03/2021	Neural Room Decoration from a Single Photograph Publication under review <ul style="list-style-type: none">• Proposal of a novel method that, given a photograph of an empty indoor space, synthesizes a new image of the same space that is fully furnished and decorated• Utilizes a two-stage approach that first proposes potential locations for adding objects, then synthesizes the objects with an image generation network
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12/2019 - 04/2020	Realistic Image Composition with Shading and Orientation Final Year Project for bachelor degree <ul style="list-style-type: none"> • Explored performing composition of given foreground objects and background scenes using deep learning techniques • Worked on enhancing the composition result using state-of-the-art image-to-image translation methods
08/2018 - 08/2019	Computer Vision Engineer Intern Creaxon Technologies Ltd., Hong Kong <ul style="list-style-type: none"> • Contributed to development of new solutions for vision analytics problems, e.g. construction site monitoring, vehicle reidentification, human action recognition • Worked on implementing and integrating computer vision research work into existing products
12/2016 - 03/2018	Software Engineer HKUST Robotics Team <ul style="list-style-type: none"> • Worked on developing position control and localization algorithms for robots and embedded systems • Training of new team members • Representing HKUST at the ABU Robocon 2017 contest in Tokyo, Japan

Skills

<i>Languages</i>	Cantonese English	Native Fluent; TOEFL 113/120
<i>Coding</i>	Python, C++ / C, MATLAB, Java	
<i>Tools</i>	PyTorch, TensorFlow, Docker, Redis Python libraries for data science (pandas, NumPy, Matplotlib, etc.)	