Hong Wing PANG

📞 (+852) 6672 8615

✉ hwpang@connect.ust.hk

🌐 ferrophile.github.io

⊙ ferrophile

Education

Sep 2020 - Jul 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
Sep 2015 - Jun 2020	**BEng in Computer Science** Hong Kong University of Science and Technology Graduation GPA: 3.740 / 4.300, first class honors Minor in Robotics
Apr 2018 - Aug 2018	**International exchange** Fakultät für Informatik, TU München Munich, Germany
Sep 2013 - Jun 2015	**International Baccalaureate Diploma** Diocesan Boys' School, Hong Kong

Experience

Mar 2022 - May 2022	**Style transfer for Neural Radiance Fields** Publication under review • Proposed a new method for transferring visual styles from arbitrary images onto a trained NeRF scene • Can be used to render NeRF scenes in different appearances that are not available in training data, extending the flexibility of neural rendering • Given the nature of NeRF, changes in visual appearance of the same position is consistent across all novel views

Sep 2021 - Dec 2021	**Teaching Assistant** COMP2012H - Honors Object-oriented Programming and Data Structures ● Worked as TA for a fundamental, comprehensive CS course about OOP and data structures in C++ ● Responsible for delivering tutorials, grading exams / assignments, and answering questions from students
Dec 2020 - Mar 2021	**Neural Room Decoration from a Single Photograph** [arXiv](#), 2021 ● Proposed a method that, given a photograph of an empty indoor space, synthesizes a new image of the same space that is fully furnished ● Utilizes a conditional GAN model conditioned on a background image and positions of objects to insert
Aug 2019 - Aug 2018	**Computer Vision Engineer Intern** Creaxon Technologies Ltd., Hong Kong ● 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
Dec 2016 - Mar 2018	**Software Engineer** HKUST Robotics Team ● Worked on developing position control and localization algorithms for robots and embedded systems ● Responsible for training of new team members on embedded systems programming ● Representing HKUST at the ABU Robocon 2017 contest in Tokyo, Japan

Skills

Languages	Cantonese English	Native Fluent, TOEFL 113/120
Coding	Python, C++ / C, MATLAB, Bash	
Tools	PyTorch, TensorFlow, Git, CUDA, NumPy, Pandas, OpenCV, scikit-learn Photoshop, Illustrator, Blender	