A Cool Cat

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Google Scholar ℰ ORCID ⓘ GitHub ⓞ Homepage ☄

Position Cat · **Base** Hong Kong
Salary Expectation HKD 200w · **Institution** CoolCat Ltd.

RESEARCH INTERESTS

3D computer vision; 4D scene reconstruction; Dense motion tracking; Statistical human modeling; Human-computer interaction; AI for design.

EDUCATION

The Hong Kong Polytechnic University   Sep 2021 – Feb 2024
Master of Philosophy   *Hong Kong, China*
and AiDLab
Supervised by Prof. Kit-lun Yick and co-supervised by Prof. Joanne Yip and Dr. Yue Sun

AWARDS

The Hong Kong Polytechnic University Research Studentship   2021 – 2023
The Hong Kong Polytechnic University

PUBLICATIONS

Journal

Qi-Long Liu, Kit-Lun Yick, Yue Sun, and Joanne Yip. Ultra-dense motion capture: an exploratory full-automatic approach for dense tracking of breast motion in 4d. *PLoS One*, 19(2):e0299040, 2024 (*JCR Q1, IF 2.9*)

Li-Ying Zhang, Ze-Qi Ma, Kit-Lun Yick, Pui-Ling Li, Joanne Yip, Sun-Pui Ng, and **Qi-Long Liu**. Prediction of dynamic plantar pressure from insole intervention for diabetic patients based on patch-based multilayer perceptron with localization embedding. *IEEE Access*, 12:100355–100365, 2024 (*JCR Q2, IF 3.4*)

WORK & RESEARCH EXPERIENCE

Shenzhen Base of The Hong Kong Polytechnic University   Dec 2020 – Jun 2021
Student Assistant (part-time) for Prof. Kit-lun Yick   *Shenzhen, Guangdong, China*
Supervised by Prof. Kit-lun Yick
3D/4D scanning data cleansing, labelling, and processing

Shenzhen Zhishixinyun Educational Technology Ltd.   Nov 2019 – Mar 2020
Cofounder and Python tutorial lecturer   *Shenzhen, Guangdong, China*
A campus startup that aims at providing short-term STEM and arts tutorials for college students

SKILL SET

Languages. English (fluent); Mandarin (native); Cantonese (native)

Programming. PyTorch & Python (seasoned); JavaScript & Node.js & CSS & HTML (seasoned); Bash shell scripting (intermediate); C/C++ (basic); Matlab (intermediate)

Others. LaTeX (seasoned); TikZ (intermediate); I am also a self-estimated good cook.