

Fernando Julio Cendra

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Education

The University of Hong Kong

- M.Phil., Statistics 2023 -
Advisor: Prof. Kai Han
- B.Eng (Hons)., Electronic Engineering 2018 - 2022
Advisor: Prof. Xiaojuan Qi

Research Employment

Research Intern at *TCL Corporate Research*, Hong Kong 2021 - 2022

- Paper published at CVPR 2023 [2] & NeurIPS Workshop 2022 [1].
- Won iF Design Award 2022 (prestigious design award) & UX Design Award 2022 [a].
- Supervisors: Dr. Jiajun Shen & Dr. Lan Ma.

Publications

* *indicates equal contribution*

Also available in [Google Scholar](#)

- [3] PromptCCD: Learning Gaussian Mixture Prompt Pool for Continual Category Discovery
Fernando Julio Cendra, Bingchen Zhao, and Kai Han
European Conference on Computer Vision (ECCV), 2024
- [2] Histopathology Whole Slide Image Analysis with Heterogeneous Graph Representation Learning
Tsai Hor Chan*, **Fernando Julio Cendra***, Lan Ma, Guosheng Yin, and Lequan Yu
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2023
- [1] SL3D: Self-supervised-Self-labeled 3D Recognition
Fernando Julio Cendra, Lan Ma, Jiajun Shen, and Xiaojuan Qi
Neural Information Processing Systems Workshop on SSL: Theory & Practice (NeurIPS), 2022

Selected Projects

- [a] PIVOT Smarthome Experience | Project at *TCL AI Lab* in collaboration with the *UX design team*.
The project won the **iF Design Award 2022** & **UX Design Award 2022**.
A proof-of-concept multi-modal control system for smart home appliances which allows users to select a device with a pointing gesture and control it with verbal commands, enhancing intuitive and practical interaction in multi-device environments.

Selected Awards

ECCV 2024 Travel Grant 2024
Excellent Research Output, Dept. SAAS, The University of Hong Kong 2023
CVPR 2023 Travel Grant 2023
Postgraduate Scholarship (PGS) (full-ride), The University of Hong Kong 2023 - 2025

Academic Services

- *Conference Reviewer*: CVPR, ECCV, NeurIPS, AAAI 2023 -
- *Graduate Teaching Assistant*, The University of Hong Kong 2023 -

Teaching Experiences (Graduate Courses)

*Certificate in Teaching and Learning in Higher Education 2023

- STAT7008 Programming for Data Sciences Fall 2023 & 2024
- ARIN7102 Applied Data Mining and Text Analytic Spring 2023 & 2024

Mentoring

- Sua Kim, HKU B.Sc in Decision Analytics Spring 2024
Bachelor thesis: Controllable Generative Inpainting Model

Skills

- **Programming**: Python, PyTorch, C++, MATLAB, L^AT_EX, Markdown
- **Tools**: UNIX, Git, Docker, Slurm