







MARWAN ELBATEL

 [marwankefah.github.io](https://github.com/marwankefah)  [marwankefah](https://twitter.com/marwankefah)  marwankefah@gmail.com  [marwan-Elbatel](https://www.linkedin.com/in/marwan-Elbatel)  [marwankefah](https://orcid.org/marwankefah)  [Marwan Elbatel](https://www.researchgate.net/profile/Marwan-Elbatel)

RESEARCH INTERESTS

Domain adaptation and representation transfer with applications to medical imaging.

EDUCATION

Ph.D. Student in Computer Engineering.

· The Hong Kong University of Science and Technology. *September 2023-present*

Erasmus Mundus Master's degree in Medical Imaging and Applications. Avg. 9.61/10

· The Hong Kong University of Science and Technology. (M.Sc. Thesis) *February 2023- July 2023*

· University of Girona, University of Cassino, University of Burgundy *September 2021- February 2023*

B.Sc. in Computer Engineering CGPA 3.8/4 (Distinction with Honours)

· Cairo University, Faculty of Engineering *September 2016- June 2021*

AWARDS / HONOURS

· MICCAI'23 DeCaF Workshop **Best Paper Award**. (1st author) *October 2023*

· MICCAI'23 EndoVis-SynISS Challenge Winners. (1st author) *October 2023*

· MICCAI'23 PS-FH-AoP Challenge Runner-Up. (1st author with 0.0002 to a win) *October 2023*

· MICCAI'23 LMIC Participation Grant (in person). *October 2023*

· MICCAI'22 DART Workshop **Best Paper Award Sponsored by NVIDIA**. (1st author) *September 2022*

· MICCAI'22 Breast FL Density Challenge Winners Sponsored by NVIDIA. (1st author) *September 2022*

· MICCAI'22 Society Participation Grant (in person). *July 2022*

· Ranked 2nd on Computer Engineering B.Sc. class at Cairo University. *July 2021*

· Dell Technologies Award for B.Sc. Thesis in the Middle East, North Africa, and Turkey. *July 2021*

· **MOT20Det Benchmark** Runner-Up. (w/o access to remote servers) *February 2021*

FELLOWSHIPS / SCHOLARSHIPS

· Hong Kong Government Ph.D. Fellowship. (**HKPFS**) *2023-2026*

· Hong Kong Government **Belt and Road** Ph.D. Scholarship. *2023-2026*

· The Hong Kong University of Science and Technology Ph.D. Redbird Award. *2023*

· International Visiting Fellowship at HKUST (M.Sc. Thesis). *2023*

· Erasmus Mundus Joint Master's Fellowship (25/800) in Medical Imaging (Ma IA). *2021-2023*

· Research Fellowship, University of Bradford (one awardee in the department). *2020*

· Research Fellowship, Egypt-Japan Education Partnership (EJEP) (2 awardees in the department). *2019*

· Undergraduate Tuition Fee Scholarship at Cairo University. *2016-2021*

PUBLICATIONS

Elbatel, M., Martí, R., & Li, X. (2023). FoPro-KD: Fourier Prompted Effective Knowledge Distillation for Long-Tailed Medical Image Recognition. (*Accepted at IEEE TMI, IF: 11.037*)

Elbatel, M., Wang, H., Fu, H., Martí, R., Li, X. (2023). Federated Model Aggregation via Self-Supervised Priors for Highly Imbalanced Medical Image Classification. (*MICCAI'23 DeCaF Best Paper Award*)

Wu, Q., Zhang, Y., & **Elbatel, M.** (2023). Self-Prompting Large Vision Models for Few-Shot Medical Image Segmentation. (*MICCAI'23 DART*).

Elbatel, M., Bornberg, C., Kattel, M., Almar, E., Marrocco, C., Bria, A. (2022). Seamless Iterative Semi-supervised Correction of Imperfect Labels in Microscopy Images. Lecture Notes in Computer Science, vol 13542. Springer, Cham. https://doi.org/10.1007/978-3-031-16852-9_10. (*MICCAI'22 DART Best Paper Award*)

ACADEMIC & INDUSTRY POSITIONS

Medical AI and Computer Vision Group, HKUST

Postgraduate Student.

- Supervised by Xiaomeng Li.

Hong Kong

August 2022 - present

VICOROB Lab, University of Girona

Postgraduate Research Student

- Supervised by Robert Martí.

Remote

January 2022 – September 2023

Dell Technologies

Industrial Thesis Mentorship

- BSc Thesis: Scalable Video Surveillance System for Contact Tracing.

Remote

March 2021 - July 2021

AIRe Research Group, University of Bradford

Research Intern

- Supervised by Daniel Neagu and Amr Abdullatif.
- Worked on a HEIF research project on COVID-19 data.

Bradford, United Kingdom

September 2020 - February 2021

AIIT

Research Trainee

- Worked on an Emergency Based Application.

Tokyo, Japan

July 2019 - August 2019

TECHNICAL SKILLS

Programming Languages

Python, C++, C, Java, C#, MATLAB, R, and VHDL

Framework

PyTorch, and Tensorflow.

LANGUAGES

English: Fluent (IELTS: 7.5/9)

Arabic: Native

EXTRACURRICULAR ACTIVITIES

Red Bull CAN YOU MAKE IT? Travelling Competition (Deferred to 2024)

2019

CAN YOU TRAVEL FOR 7 DAYS ACROSS EUROPE WITH RED BULL AS YOUR ONLY CURRENCY?

Only team (3 members) chosen from Egypt (100 teams applied) to participate in a travelling competition with 196 teams worldwide.

REFERENCES

- **Alessandro Bria** (DART MICCAI'22 Paper Supervisor)

a.bria@unicas.it

- **Robert Marti** (MICCAI'22 Breast Federated Learning Challenge Supervisor)

robert.marti@udg.edu

- **AbdelMoneim Bayoumi** (Bachelor Thesis Supervisor)

abdelmoniem.bayoumi@eng.cu.edu.eg