Boudjoghra, Mohamed el amine

EDUCATION

MSc in computer vision 13 May 2024
Mohamed Bin Zayed University of Artificial Intelligence, Abu Dhabi, UAE GPA: 3.9/4.0
Engineering degree in control systems and automation 22 June 2022
Ecole Nationale Polytechnique, Algiers, Algeria GPA: 15.48/20

PUBLICATIONS

Open-Yolo 3D: Towards Fast and Accurate Open-Vocabulary 3D Instance Segmentation | *arXiv*
MEA Boudjoghra, A Dai, J Lahoud, H Cholakkal, RM Anwer, S Khan, FS Khan

Continual Learning and Unknown Object Discovery in 3D Scenes via Continual Self-Distillation | *ECCV 2024*
MEA Boudjoghra, J Lahoud, H Cholakkal, RM Anwer, S Khan, FS Khan

3D Indoor Instance Segmentation in an Open-World | *NeurIPS 2023*
MEA Boudjoghra, SK. Al Khatib, J Lahoud, H Cholakkal, RM Anwer, S Khan, FS Khan

3D Instance Segmentation via Enhanced Spatial and Semantic Supervision | *ICCV 2023*
SK. Al Khatib, MEA Boudjoghra, J Lahoud, FS Khan

State-Domain Equations and Their Quantum Computing Solution Based HHL Algorithm | *MMEP*
MEA Boudjoghra, SAS Daimellah, N Zioui, Y Mahmoudi, M Tadjine

EXPERIENCE

Research Assistant | *Mohamed Bin Zayed University of Artificial Intelligence* 15 June 2023 - Present
Conducting research on deep learning models for autonomous driving and 3D scene understanding.

Graduate Assistant | *Mohamed Bin Zayed University of Artificial Intelligence* 1 August 2023 - 1 December 2023
Assisted PhD students in the Advanced Computer Vision course (CV801) to get hands-on experience in vision language models, and object segmentation and detection.

Intern | *Core42* 29 May 2023 - 10 July 2023
Worked on developing computer vision algorithms specifically for videos

HONORS & AWARDS

UAE, Abu Dhabi | *Academic excellence award* 2024
France, Paris | *ICCV DEI award* 2023
UAE, Abu Dhabi | *MBZUAI fully funded scholarship* 2022
Algeria, Algiers | *Ranked 3rd nationally in engineering contest for higher education schools enrollment* 2019

PROJECTS

YOLOngv8: From Imbalanced to Accurate Object Detection in Long Tailed iSAID Dataset | 2023
Visual Simultaneous Localization and Mapping on Lie groups | 2022
Indoor localization and navigation for an autonomous drone | 2019
Arduino-based autonomous robot | 2019

LANGUAGES

Arabic (Native) | **English (IELTS 7)** | **Japanese (Intermediate)** | **French (Advanced)**