POORYAA CHERAAQEE

Computer Vision Researcher

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in https://www.linkedin.com/in/pooryaa-cheraaqee-8b66b2b6/ github.com/cheraaqee
https://scholar.google.com/citations?user=ebSTTkAAAAAJ&hl=en&oi=ao

EDUCATION

MSc Computer Science

Kharazmi University

2016-2019 Tehran, Iran

Thesis: A No-Reference Method for Assessing the Quality of Multiply Distorted Images

EXPERIENCES

Funded Ph.D. Student

University of Westminster

Jan 2023- Present

HPC admin

Institute of Research in Fundamental Sciences

Fall 2021- Fall 2023

Instructor

- Research Methods, University of Guilan, Fall 2022
- Mandatory Command of English for Computer Science, University of Guilan, Fall 2022
- O.S. Lab, University of Guilan, Fall 2019
- T.A. for Computer Architecture Course- Prof. Ahmadifar
- T.A. for Algorithm Design Course- Prof. Moadab
- T.A. for Neural Networks Course- Prof. Mansouri- Current

Projects

- Quality Assessment of Screen Content Images- Iran National Science Foundation
- Face Recognition with Deep Learning, As a free-lancer
- Customized Object Detection with Deep Learning, As a free-lancer

Translator

Nashrafa On-Line Publishing Co.

Summer 2019- Spring 2020

SELECTED PUBLICATIONS

- Cheraaqee, Pooryaa, Zahra Maviz, Azadeh Mansouri, and Ahmad Mahmoudi-Aznaveh. **"Quality Assessment of Screen Content Images in Wavelet Domain."** IEEE Transactions on Circuits and Systems for Video Technology (2021).
- Heydari, Maryam, Pooryaa Cheraaqee, Azadeh Mansouri, and Ahmad Mahmoudi-Aznaveh. **"A low complexity wavelet-based blind image quality evaluator."** Signal Processing: Image Communication 74 (2019): 280-288.
- Cheraaqee, Pooryaa, Azadeh Mansouri, and Ahmad Mahmoudi-Aznaveh. **"Incorporating Gradient Direction for Assessing Multiple Distortions."** In 2019 4th International Conference on Pattern Recognition and Image Analysis (IPRIA), pp. 109-113. IEEE, 2019.
- Motamednia, Hossein, Pooryaa Cheraaqee, and Azadeh Mansouri. **"Exploring the Gradient for Video Quality Assessment."** In 2020 International Conference on Machine Vision and Image Processing (MVIP), pp. 1-7. IEEE, 2020.

SKILLS

- **Presenting and Explaining Concepts**
  Professional LaTeX user
- **Programming**
  Python, MATLAB (regular user), C/C++ (beginner)
- **Operating System**
  Regular Linux user
- **Neural Networks and Machine Learning**
  Keras, SciKit-Learn, and LibSVM
- **Image Processing**
  MATLAB IP toolbox and OpenCV-Python
- **Teamwork**
  Regular Git user
- **Math**
  Capable of modeling real-world problems with mathematical concepts

LANGUAGES

English (IELTS 7.5)
Persian

REFEREES

Dr. Azadeh Mansouri
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Department of Electrical and Computer Engineering, Faculty of Engineering Kharazmi University Tehran, Iran

Dr. Ahmad Mahmoudi-Aznaveh
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Cyberspace Research Institute, Shahid Beheshti University, Tehran, Iran