Héctor Carlos Aranda Martínez · Computer Scientist · Mérida, Yucatán · carlosarmar@gmail.com.com · 797-123-4067

Carlos Aranda | Resume

- Status: Master in Computer Science and Engineering (UNAM)
- Fields: Computer Vision, Deep Learning, Image Processing, Data Analysis
- Tech: Python, Git, Matlab, JavaScript, Django
- Loves: Videogames, Music, Crossfit and Cats

Summary

I am a Python lover computer scientist. During my studies, I collaborated in 2 congress papers, in the field of computer vision and deep learning, proposing novel methods for solving problems. I am looking for new development opportunities in Artificial Intelligence projects.

Experience

2016-2018 **Teacher** ITSSNP

- Organizer of the first Basic Science Competition
- Academy secretary

2018 - 2019 **Teacher** UTTT

- Personal tutor of more than 80 students
- Development and implementation of an automatic assistance voucher emissor

Education

2011-2016 **Degree in Chemical Engineering** UNAM

- Thesis: Uso de Algoritmos Genéticos y Redes Neuronales para Control Predictivo en un Reactor Tipo CSTR
- Developed a control system for a simulated chemical reactor

2019 - 2021 **Master Studies in Computer Science and Engineering** UNAM

- Master Thesis: Sistema prototipo de monitoreo subacuático automático de peces por visión estereoscópica y aprendizaje profundo
- Developed of an artificial based automatic fish detection and measurement prototype system

Publications and Congress

2021 **Congress presentation and publication** COMIA 2021

- Presentation of the results of the master project
- In publication process at the Research in Computer Science Journal 2021

2021 **Congress presentation** ENC 2021

- Presentation of the project: Artery/Vein Classification of Retinal Vessels based on Cellular Automata and Neural Networks (DOI 10.1109/ENC53357.2021.9534820)
- Proposed a novel method using neural cellular automata for image clasification applied on medical images