

CARLOS ARANDA | RESUME

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



»»» Summary

I am a computer science student in process of graduation, working on a stereoscopic computer vision project as thesis. 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

2015	Production administrative intern	Phoenix Group
	<ul style="list-style-type: none"> » Recording of reports, and production indicators » Material balance 	
2016-2018	Teacher	ITSSNP
	<ul style="list-style-type: none"> » Organizer of the first Basic Science Competition » Academy secretary 	
2018 - 2019	Teacher	UTTT
	<ul style="list-style-type: none"> » Personal tutor of more than 80 students » Development and implementation of an automatic assistance voucher emissor 	

»»» Education

2011-2016	Degree in Chemical Engineering	UNAM
	<ul style="list-style-type: none"> » 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
	<ul style="list-style-type: none"> » Master Thesis: Sistema prototipo de monitoreo subacuático automático de peces por visión estereoscópica y aprendizaje profundo » Developed of an automatic fish detection and measurement prototype system 	

»»» Publications and Congress

2021	Congress presentation and publication	COMIA 2021
	<ul style="list-style-type: none"> » Presentation of the results of the master project » In publication process at the Research in Computer Science journal 	
2021	Congress presentation	ENC 2021
	<ul style="list-style-type: none"> » Presentation of the project: Artery/Vein Classification of Retinal Vessels based on Cellular Automata » Proposed a novel method using neural cellular automata for image clasification applied on medical images 	