

# Oscar Juarez Delgado

## Education

**Master of Science Image Processing Computer Vision IPCV**  
PPCU - Budapest, UAM - Madrid, UdB - Bordeaux | 2020-2022

Triple Degree in Image Processing & Computer Vision

**Bachelor of Mechatronics Engineering**  
Universidad Nacional Autónoma de México | México | 2011-2016

Graduated with High Honors Grade: 9.3/10 (3.8 GPA)

## Work Experience

**Computer Vision Researcher | Intern** Eurecat | 01/2022 - 06/2022

Developing the Thesis :

**Object Detection and Segmentation for 360 urban stocktaking and**  
**Equirectangular Projection for data augmentation.**

**Data Scientist | Computer Vision** Grupo Abraxas | 01/2018 - 03/2021

- Image analysis for industrial and surveillance applications.
- Search and apply current and new algorithms (YOLO, ResNet, AlexNET, FaceNet, etc.) and transfer learning for custom detections.
- Design of deep neural networks for image analysis (mainly CNN)
- Python programming tasks.
- Research and Implementation of State of the Art Computer Vision Algorithms and Deep Learning architectures.
- Test automation and containerization.
- Explain and communicate complex concepts in accordance with the audience.

**IoT Engineer** FLYX Systems | 11/2016 - 12/2017

- Image processing for UAV tasks (image stitching, automatic landing)
- Hyperspectral image analysis
- Python and C++ programming tasks

## Projects and Awards

**IBM Hackapalooza 2019**  
"Hyper Personalized Online Clothes Store based on Social Media information"  
Winner of UX Hyper-Personalization Category  
2nd place

**Hackathon BBVA Bancomer 2017**  
"Computer Vision system to recognize Bank Drafts and pay"  
Runner-Up

**Design and development of a Mexican Sign Language Teaching Program 2017**  
Project presented in Second International Forum of Mexican talent Innovation Match MX 2017

Certification is given by Mexican Public Copyright Registry for both Oscar Juarez Delgado & Luis Yair Bautista Blanco for the development of "Mexican Sign Language Teaching Software"

## Contact

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## Skills

- Data Analysis
- Deep learning
- Image processing
- Machine learning
- Git Version Control
- Amazon Web Services
- Docker
- Programming
- Problems Solving
- Good Communication Skills
- Proactivity
- Collaboration
- Python
- OpenCV
- Git
- TensorFlow
- SciPy
- Scikit-learn
- Keras
- PyTorch
- C++
- Matlab
- Shell
- Pandas
- NumPy
- Matplotlib

## Certifications

**Specialization in Deep Learning** Coursera | 2019

**Master OpenCV** Udemy | 2017

## Reference

**Fernando Mayer Llamosa**

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**Itamar Leizorek**

CEO at Abraxas,

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