

# HEITOR FELIX

## MSc in Computer Science

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## EXPERIENCE

### Research Assistant

#### Voxar Labs

📅 Feb 2019 – Ongoing    📍 Recife, Brazil

- Research and development in partnership with HP International
- Two patents submitted at the United States Patent and Trademark Office
- Research and development in partnership with In Forma Software working on Anomaly Analysis with Deep learning
- Project leader in research project with MLOps and ML's best practices

## EDUCATION

### MSc in Computer Science

#### Universidade Federal de Pernambuco, Brazil

📅 Mar 2020 – Apr 2022

### BSc in Computer Engineering

#### Universidade Federal de Pernambuco, Brazil

📅 2014 – 2019

## PUBLICATIONS

### STN PLAD: A Dataset for Multi-Size Power Line Assets Detection in High-Resolution UAV Images 34th Conference on Graphics, Patterns and Images (SIBGRAPI 2021)

📅 Oct 2021    📍 Virtual

### Squeezed Deep 6DoF Object Detection using Knowledge Distillation

#### 2020 International Joint Conference on Neural Networks (IJCNN)

📅 Jul 2020    📍 Glasgow, United Kingdom

### Image Processing Techniques to Improve Deep 6DoF Detection in RGB Images

#### Extended Annals of the 21st Symposium on Virtual and Augmented Reality (SVR 2019)

📅 Oct 2019    📍 Rio de Janeiro, Brazil

### Patent: Watermarked image signal with varied watermark strengths

#### World Intellectual Property Organization (WIPO)

📅 Apr 2020    📍 USA

### Patent: Neural networks to provide images to recognition engines

#### World Intellectual Property Organization (WIPO)

📅 Dec 2019    📍 USA

## COURSES

### Machine Learning Engineering for Production (MLOps)

#### Coursera

📅 Dec 2021    📍 SPGPQXLQ6WGF

### Generative Adversarial Networks (GANs)

#### Coursera

📅 Feb 2021    📍 ANZKVFECK9TWU

### Deep Learning Specialization

#### Coursera

📅 Sep 2020    📍 ZCW74Y925V43

## LEADERSHIPS AND AWARDS

🎓 **Scholarship**  
2020 - Masters Scholarship, CNPq

🎓 **Scholarship**  
2020 - Research and Innovation Scholarship, SOFTEXRECIFE

🏆 **Award**  
2017 - Honorable Mention, Embedded Systems Competition 2017 WND IoT Challenge, SBESC

## SKILLS

Computer Vision    Deep Learning  
GANs    AWS    MLOps    Kubernetes

PyTorch    OpenCV    Linux  
Windows    Databricks    MLflow

## PROGRAMMING LANGUAGES

Python    ●●●●●  
Kotlin    ●●●●●  
C/C++    ●●●●●

## LANGUAGES

Portuguese    ●●●●●  
English    ●●●●●