



# MARAWAN ELBATEL

COMPUTER ENGINEER

## Profile

Medical Imaging Master Student with a track record of leadership and work, knowledgeable about machine learning algorithms, implementations, and research methodologies, committed to studying and exploring up-to-date research trends, and dedicated to helping others to reach their dreams.

## Education

### MSc in Medical Imaging, Coordinated by the University of Girona, Spain

SEPTEMBER 2021 — MAY 2023

- Erasmus Mundus Joint Masters Scholarship Holder.

### BSc in Computer Engineering, Cairo University, Egypt

SEPTEMBER 2017 — MAY 2021

- GPA 3.8 (Salutatorian)

### American Diploma, Egyptian American International School (EAIS), Cairo, Egypt

SEPTEMBER 2013 — MAY 2016

- GPA 3.98 (Valedictorian)

## Experience

### Industrial Mentorship, Dell Technologies, Cairo, Egypt

MARCH 2021 — JULY 2021

- BSc Thesis: Scalable Video Surveillance System for Contact Tracing.
- Envision the Future Competition: Top 20 Projects in the MENA Region

### Research Intern, University of Bradford, Bradford, UK

SEPTEMBER 2020 — DECEMBER 2020

- HEIF Research Project in COVID-19 Data.

### Research Trainee, AIIT, Tokyo, Japan

JULY 2019 — AUGUST 2019

- Funded by the Ministry of Higher Education in Egypt.

## Major Projects

### Pedestrian Detection (PERSOLO), Cairo, Egypt

MARCH 2021 — JULY 2021

- 3<sup>rd</sup> on [MOT20 Detection Benchmark Statistics](#).

### Tracking Multiple People Over a Network of Cameras, Cairo, Egypt

MARCH 2021 — JULY 2021

### Covid-19 & Big Data Analytics, Bradford, UK

SEPTEMBER 2020 — DECEMBER 2020

- Developed deep learning algorithms for time series forecasting.

## Details

Le Creusot, France

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[marwankefah@gmail.com](mailto:marwankefah@gmail.com)

## Links

[Linkedin](#)

[Github](#)

## Hobbies

Travelling (18 countries), Hiking  
Camping, Dancing, culture  
exchange.

## Skills/Interests

Expertise in Python / R

Projects with C, C++, C#, Java.

Computer Vision

Machine Learning

Research Methodologies

Software Development

Image Processing

Probabilistic Robotics

Leadership Skills & Teamwork

Time Series Forecasting

Natural Language Processing

JavaScript

MATLAB

Linux/Unix

Verilog/VHDL

NI instruments, Quartus,  
ModelSim, Multisim, LabView

HTML/CSS, Mongo DB, SQL, MySQL

## Languages

English -IELTS CEFR C1

Arabic -Native

French/Spanish

## Emotion Recognition System Based on Improved Adaboost, Cairo, Egypt

OCTOBER 2019 — JUNE 2020

## AlphaZero Reimplementation with Reinforcement Learning, Cairo, Egypt

JANUARY 2020 — MAY 2020

## OCR for Arabic cursive text, Cairo, Egypt

OCTOBER 2019 — NOVEMBER 2019

## Online Courses (deeplearning.ai)

### AI for Medical Diagnosis

CREDENTIAL ID: 55MLGM5SF2AR

### Convolutional Neural Networks

CREDENTIAL ID: 7XCDDJ2XQK9N

### Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization

CREDENTIAL ID: 5Y3BBEJPP42P

### Neural Networks and Deep Learning

CREDENTIAL ID: KKE4SWKS7GHX

### Structuring Machine Learning Projects

CREDENTIAL ID: 7VSJYDMUAGK8

### Sequences, Time Series and Prediction

CREDENTIAL ID: 9LP5NXG5ZUB6

### Natural Language Processing with Classification and Vector Spaces

CREDENTIAL ID: AL5W42TFV7CM

## Extracurricular Activities

Red bull CYMI Regional Winner  
(Travelling Competition)

Poverty Alleviation Volunteer

## Academic Awards

Erasmus Mundus Masters Full  
Scholarship

Annual Tuition Scholarships at  
Cairo University (5 Years).

MOHE Research Funding in JAPAN

Erasmus+ Traineeship Grant

High School Highest Achiever.

## References

[Prof. AbdelMoneim Bayoumi](#)

[Prof. Daniel Neagu](#)