



AGUSTIN CARTAYA

Master Student in Medical Imaging

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in agustincartaya

AgustinCartaya

STUDIES

Master's degree in Medical Imaging and Applications

MAIA

2022 – Ongoing

uB–France / UdG–Spain / UNICAS-Italy

- Advanced Medical Image Processing for Multiple Imaging Techniques (MRI, CT, PET, X-rays, Ultrasound, among others) using conventional image processing, machine and deep learning.

Bachelor's degree in computer science

University of Burgundy

2019 – 2022

Dijon, France

Electronic engineering (5 semesters)

UNEXPO

2017 – 2019

Guayana, Venezuela

EXPERIENCES

Internship – Brain tumor detection

ImViA Laboratory

Summer 2023

Dijon, France

- Detection of brain tumors using multi-spectral imaging from MRI and Dempster-Shafer theory.

Internship - Skin lesion imaging

FORTHEN alliance

Summer 2022

Dijon-France / Mainz–Germany

- Development of a system for managing multi-modal images of skin lesions. Enable the integration of AI for the detection of melanomas.

Research Engineer

DNUM - University of Burgundy

2021 – 2023

Dijon-France

- Facilitate information sessions for staff on the operation of electronic equipment and platforms dedicated to education and management.

Student Jobs

2017 – 2023

- Waiter - CROUS Dijon, France
- Student advisor - CROUS Dijon, France
- Grape harvester - Domaine Latour Giraud, Meursault, France
- Bartender - Stand Buy, France
- Baker - JJ Bakery, Guayana, Venezuela

AWARDS

- Scholarship Grant - Erasmus Mundus Joint Master.
- Honors student MAIA master program.
- Honors student Bachelor's degree.

CHALLENGES AND PROJECTS

- Classification challenge on Alzheimer's Disease using MRIs and Gene Expression data
- Classification challenge on Dermoscopic diagnosis using machine learning
- Alzheimer's Disease Onset Recognition by Handwriting using Deep learning
- Detection and Classification of Soft Exudates in Retinal Fundus Images using Advanced Image Processing
- Ray tracing system using python

SKILLS

Programming

Python Java C++ MATLAB

TensorFlow / PyTorch Linux

JS PHP SQL HTML

Blender OpenGL

Soft skills

Research Skills Autonomy

Teamwork Empathy Adaptability

Effective Communication

Problem-Solving

LANGUAGES

English ● ● ● ● ●

Spanish ● ● ● ● ●

French ● ● ● ● ●

Italian ● ● ● ● ●