Marjorie Redon
Physics engineer

Education

Phd University of Caen Normandy Caen / Since October 2021

Photonic Signal Imaging Master UFR des sciences et technologies Angers - France / From September 2019 to August 2021

Licence of Physics and Chemistry mention Physics of the engineer UFR Sciences et techniques Le Mans - France / From 2016 to 2019

Scientific Baccalaureate Lycée Raoul Vadepied Évron - France / From 2012 to 2015
Speciality SVT option Physics Chemistry

Work experience

Work-study contracts LARIS Angers - France / Since September 2020
- Creation of a classification algorithm for Arabidopsis images.
- Adaptation of a machine-learning model for the segmentation of Arabidopsis.
- Networking of the classification and segmentation program for automatic image processing during acquisition.
- Illuminance mapping of a climate chamber.

Internship LARIS Angers - France / From April 2020 to May 2020
- Introduction to deep learning methods.
- Use of a neural network to perform style transfer and image captioning on Angers city theme.

Internship University of Silecia Katowice - Pologne / From April 2020 to June 2020
- Search for scientific papers on the characterisation of sample surfaces using the XPS method.
- Writing of a report in English on carbon nanotubes.

Intership Université des sciences et technologies Le Mans - France / From April 2019 to May 2019
- Collection of scientific data from various sources (scientific articles, books, websites).
- Writing of a report explaining the methods for gravitational wave detections.

Physics Tutoring UFR de science et technologie Le Mans - France / From January 2019 to March 2019
- Teaching methods for solving exercises in point mechanics and electronics to first years (group of 5 students).
- Identify difficulties.
- Adapt the work sessions.

Cable worker, in seasonal periods CIMEL Voutré - France / From 2016 to 2019
- Testing products leaving the factory.
- Memorise the processes used during various missions (crimping, stripping, plate assembly, wiring harnesses).

Contacts

David Rousseau (david.rousseau@univ-angers.fr) :
Professor, head of the Imorphen team and supervisor of the work study programme.

Etienne Belin (etienne.belin@univ-angers.fr) :
Professor, head of the PSI Master's programme and supervisor of the work study programme.

- redon.marjorie@gmail.com
- Date of birth 20/08/1997
- 6 impasse des ligots, 53600 Evron - France
- French
- Driving licence (A2) Driving licence (B)
- Personal vehicle
- France
- +336 02 30 37 48

Languages

Spanish

English

Qualité Professionnelles

Sens de l'initiative

Autonomie

Sens de l'organisation

Informatics

Word, Excel, PowerPoint, OpenOffice, LibreOffice

LaTex

C, Python, Octave, MatLab

Interests

Volunteer work for the AFEV association (cultural activities for under-privileged children)

DIY

Crochet

Reading

Art (drawing)