

Patricia Enríquez Calzada

Contact

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Languages

Spanish	Native
English	Full Working Proficiency
Italian	Basic
German	Basic
Dutch	Basic

Computer Skills

- MatLab (Simulink, PRTools)
- Python (Numpy, keras, tensorflow)
- Arduino
- Processing
- R
- Abaqus
- DTI Explore
- ImageJ
- Linux

Soft skills

- Teamwork
- Communication skills
- Problem- solving
- Time management
- Interpersonal skills
- Leadership
- Adaptability

Hobbies

- Jogging
- Yoga
- Volleyball, soccer
- Reading, photography, digital editing, music

Summary

I am a Biomedical Engineer with MSc. specialization in Medical Physics at TU Delft. My multidisciplinary background, including medical image processing, machine learning, radiotherapy, etc. has allowed me to become resourceful and fast at learning. The different cultural settings I have studied in have provided me with good teamwork capabilities and leadership skills. I am looking for an opportunity to challenge both my technical skills and my growth as a person.

Experience

Master Thesis **2020-Now**

TU Delft and Erasmus Medical Center Rotterdam

- Cross-scanner harmonization of quantitative MRI with deep learning image style transfer

Internship

Sept-Dec,2019

Erasmus Medical Center Rotterdam

- Determination, through Monte Carlo simulations, of the conversion coefficients that help determine the real biological risk of radiation (dose area product to effective dose) during interventional X-ray exposure of patients.

Internship

2018

Systems and Automation Department Universidad Carlos III

- Development and control of soft hand exoskeleton for patient rehabilitation actuated by Shape Memory Alloys.

Education

MSc. Biomedical Engineering

2018-Now

TU Delft

- Specialization in Medical Physics: medical image processing, machine learning, radiological health physics, photon and proton therapy.

BSc. Biomedical Engineering

2016-2017

University of Maryland, USA

- Scholarship of Non-European Mobility to study my junior year in the United States

BSc. Biomedical Engineering

2014-2018

Universidad Carlos III Madrid

- Average Grade 7.8/10
- Participation in first female indoors soccer team (2015/16)

Certifications

Radiation Protection Expert Certificate (Coördinerend

Deskundige - former level 3), *NCSV Education and Training*

Centre Delft, the Netherlands