

# PATRICIA DE TORRES COLL

Mathematician-Master's Student in IMLEX

## CONTACT



### MAIL

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### LINKEDIN

Patricia de Torres Coll

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## OBJECTIVES

While my academic foundation lies in the sciences, my keen interest in the practical applications of social sciences has driven me to explore interdisciplinary opportunities. I firmly believe that the **intersection of technology and social sciences** is a powerful catalyst for positive change in society. My aspiration is to harness this synergy to make a substantial impact on the **quality of life** and overall **social well-being**. By effectively integrating technology into social contexts, I aim to facilitate innovative solutions that address pressing societal challenges, fostering a brighter future for all.

## LANGUAGES

### NATIVE LANGUAGE

Spanish

### OTHER LANGUAGES

English

LEARNING: Japanese

## COMPUTER SKILLS

Python

Matlab

JavaScript

C#

## SKILLS

Teamwork

Fast Learning



Hardworking

Responsible

Perfeccionism



## EDUCATION

### MASTER OF SCIENCE

Sep2022-Aug2024

Erasmus Mundus Japan

Imaging and Light in Extended Reality (IMLEX).

- Sep2022-Dec2022: University Eastern of Finland, Joensuu, Finland
- Feb2023-Jun2023: KU Leuven, Gent, Belgium
- Oct2023-Mar2024: Toyohashi University of Technology, Toyohashi, Japan
- Apr2024-Aug2024: Toyohashi University of Technology, Toyohashi, Japan

Master thesis: From neutral to angry faces, with different races.

### BACHELOR DEGREE

Sep2018-May2022

Heriot-Watt University, Scotland, UK

BSc. Mathematics and Computer Science, Mathematics (Hons).  
First Class Degree.



## EXPERIENCE

### INTERNSHIP

Jul2023-Sep2023

Université Toulouse III-Paul Sabatier, Toulouse, France

Light and Matter Research Group.

### INTERNSHIP

Jun2021-Sep2021

CLINIC-IDIBAPS, Barcelona, Spain

Image Classifier to detect skin diseases.

### VOLUNTEER

Jul2017

Age UK Branch, England, UK

Charity Shop.



## ACHIEVEMENTS

### IMA PRIZE

Jun2022

Heriot-Watt University, Scotland, UK

This is awarded to a student for excellence in a Mathematics degree programme.

### THE RODERICK McCALLUM PRIZE

Jun2022

Heriot-Watt University, Scotland, UK

This is awarded for exceptional merit to the top fourth year students in Mathematics.

### UNIVERSITY AWARD

May2020 &  
May 2019

Heriot-Watt University, Scotland, UK

In my first and second year of University, I was awarded with the university prize of BSc Mathematics for my exceptional grades in Mathematics.

### IELTS

Sep2021

Requirement for the University.  
Mark:6.5



## COURSES

- Using AR Foundation in Unity  
In progress  
Unity and C# basics  
Dec2023  
Coursera  
<https://www.coursera.org/learn/using-ar-foundation-in-unity/>
- C#  
Feb2023  
Codecademy  
<https://www.codecademy.com/learn/learn-c-sharp>
- MATLAB  
Jun2022  
University of Eastern Finland  
[University of Eastern Finland - www.uef.fi](https://www.uef.fi)
- JAVASCRIPT  
Oct2021  
Codecademy  
<https://www.codecademy.com/learn/introduction-to-javascript>
- MACHINE LEARNING  
Dec2020-May2021  
Coursera, Stanford University  
<https://www.coursera.org/learn/machine-learning/home/welcome>  
Codecademy, Machine Learning with Python  
<https://www.codecademy.com/learn/paths/machine-learning>
- DEEP LEARNING  
Mar2021-May2021  
Codecademy  
<https://www.codecademy.com/learn/learn-python-3>
- PYTHON 3  
Dec2020-Mar2021  
Coursera, Neural Network and Deep Learning  
<https://www.coursera.org/learn/neural-networks-deep-learning/home/welcome>  
Coursera, Convolutional Neural Networks  
<https://www.coursera.org/learn/convolutional-neural-networks/home/welcome>  
Codecademy, Deep Learning Models with Tensor Flow  
<https://www.codecademy.com/learn/paths/build-deep-learning-models-with-tensorflow>



## HOBBIES

- BASKETBALL  
Heriot-Watt University, Scotland, UK  
I have been playing basketball since I was 13 years old. I continued playing in the University. I was awarded by the basketball club with the "Best Female Fresher" prize.