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EDUCATION

UNIVERSITY OF BARCELONA

2019-September 2023 / Barcelona

B.S IN COMPUTER SCIENCE | MINOR IN MATHEMATICS

UNIVERSITY OF MURCIA

2016-2019 / Murcia

B.S IN COMPUTER SCIENCE & MATHEMATICS

ACHIEVEMENTS AND HONORS

UNIVERSITY OF TOKYO RESEARCH INTERNSHIP PROGRAM (UTRIP)

June 2023 - August 2023 / Tokyo

AWARDED WITH A SCHOLARSHIP TO PARTICIPATE

- Summer internship program for conducting a research in Earth Science using machine learning

PUBLICATION IN IEI 2021 CONGRESS

November 2021 / Italy

- Ludmila M., Eloi P. and Estíbaliz M. "Developing a Student Dashboard Prototype: What we can do with what we get from Moodle?", Innovation and educational research for teacher training (2021): 99-105

17TH LLUIS SANTALÓ RESEARCH SUMMER SCHOOL

Summer 2016 / Cantabria

RECEIVED A SCHOLARSHIP TO ATTEND THE COURSE

- Geometric Algebra and Geometric Calculus, with Applications to Mathematics, Physics and Engineering

BACCALAUREATE WITH HONORS

2014-2016 / Murcia

IN SCIENCE RESEARCH

EXPERIENCE

DATA ANALYST INTERN

September 2022-Now / Barcelona

SCHNEIDER ELECTRIC | DEVELOPED IN A HYBRID ENVIRONMENT

- Extracting insights from HR data: career acceleration, promotional velocity, talent ratings, demographics, etc
- Identifying patterns and trends in data triggering program creation to strengthen people performance
- Gathering data from existing data bases and processing it through Python using Pandas and Numpy's libraries
- Implementing analytics visualizations in Tableau and in Python, through Plotly using basic and statistical charts

UNDERGRADUATE RESEARCH INTERN

October 2021-February & 2022 July 2022-Now / Tokyo

UNIVERSITY OF TOKYO, ERI-SGAT, DR. AOKI'S LABORATORY

- Using a semi-supervised machine learning algorithm to detect Earth deformation after seismic movements
- Cleaning and preparing the input data using Numpy and plot it making use of Pyplot from Matplotlib
- Translating the algorithm from MATLAB to Python (the associated GitHub repository content is not disclosed).

UNDERGRADUATE RESEARCH ASSISTANT

July 2021-July 2022 / Barcelona

UNIVERSITY OF BARCELONA

- Developing the Learning Analytics dashboard of a teaching research project
- Organizing raw data into a readable format with Microsoft Excel
- Cleaning/managing data in Jupyter Notebook through Pandas and Numpy's libraries, and storing it with MongoDB
- Making the prototype with Figma and implementing it through statistics charts with Recharts library in React.js

CRM SOLUTION DEV INTERN

October 2021-December 2021 / Barcelona

AVANADE | DEVELOPED REMOTE DUE TO COVID

- Applying several Microsoft technologies such as .NET, Azure DevOps or PowerApps (Canvas and Model-Driven)
- Developing a Canvas App to design visit cards that allows the user to create his/her own cards
- Implementing Model-Driven Apps and plugins for managing products of different clients

SKILLS

PROGRAMMING LANGUAGES	Python MySQL HTML CSS Bash Java Beginner: JavaScript TypeScript R
SOFTWARE DEVELOPMENT	Object-oriented programming GIT Design Patterns Agile Methodologies Unit Test
FRONTEND FRAMEWORKS	Intermediate: Bootstrap Dash Plotly Beginner: React.js Angular CLI Vue.js
DATA SCIENCE LIBRARIES	Familiar: Numpy Pandas Intermediate: Matplotlib Beginner: Scikit-learn
LANGUAGES	Native: Spanish Familiar: English (B2) Intermediate: French Beginner: Japanese (N4)

EXTRA

GOOGLE DEVELOPMENT STUDENT CLUB CORE MEMBER

September 2021-Now / Barcelona

UNIVERSITY OF BARCELONA

- Coordinating networking events with other GDSC of Europe and Asia
- Helping to organize workshops and hackathons about attractive computer science topics
- Hosting women in tech talk with several outstanding professionals as speakers in order to inspire younger women

VOLUNTEER IN THE RED CROSS YOUTH

October 2015-August 2019 / Murcia

- Volunteer work for hospitalized children at the *Hospital de La Arrixaca* (2015-2019) in El Palmar, Murcia.
- Toy campaign organized in Christmas 2015/2016 to give gifts to the most disadvantaged children
- Prevention of violent behavior and social inclusion courses