

# Jaime Raynaud (Student)

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## EDUCATION

**Higher Technical School of Computer Engineering (University of Seville)** **Seville, Spain**  
*BS in Software Engineering (Currently enrolled)* *Graduation Date: June 2023*

- Analysis and design of data and algorithms
- Software design and databases
- Artificial Intelligence

**Hogeschool van Amsterdam** **Amsterdam, Netherlands**  
*Minor in Big Data* *Graduation Date: January 2022*

- Data Engineering
- Datavisualization
- Business and Big Data

**Hogeschool van Amsterdam** **Amsterdam, Netherlands**  
*Minor in Business and Innovation with ICT (Currently enrolled)* *Graduation Date: June 2022*

- Business architecture
- Governance and maintenance
- Change Management

## PRACTICAL EXPERIENCE AND PROJECTS

**Deep Learning to mimic human brains** **University of Seville**  
*Intern student* *November 2020 – August 2021*

- Worked as an intern student for the Minerva research group at the University of Seville. The main goal of the group is to apply AI solutions to forecast green energies production.
- Selected a list of research papers about renewable energies production forecasting for the research group.
- Stated the research basis for my Bachelor thesis, purposing upgrades to the Neural Network (SUNSET) created by Sun et al. (2019).

**Refugee tweets sentiment analysis for the UNHCR** **Hogeschool van Amsterdam**  
*Project* *October 2021 - January 2022*

- Data mining of +50000 tweets using the Twitter API.
- Data processing and analysing over the tweets to create a Random Forest model with a 86% accuracy on the tweets sentiment classification.
- Datavisualization with PowerBI of the sentiment per country and the UNHCR data.

**Sentiment analysis on hotel reviews** **Hogeschool van Amsterdam**  
*Project* *October 2021 - January 2022*

- Data mining using webscrapping techniques.
- Use of MySQL and MongoDB.
- Data cleaning and analysing over the reviews to compare four different Machine Learning models (+90% accuracy).
- Applied parallel computing with Dask and compared Convolutional and Recurrent Neural Networks (+92% accuracy).
- Datavisualization with Python Dash.

**Datathon University Hack 2021** **Cajamar and PcComponentes**  
*Challenge* *February 2021*

- Participation in the Cajamar bank challenge, applying Data Science and Machine Learning techniques to predict the products demand of the company PcComponentes.

## SKILLS & INTERESTS

**Skills:** Data analysis, visualization and engineering | Agile | Cloud services | Business with ICT

**Soft skills:** Teamwork, skepticism, perseverance, creativity, business-oriented, and communication.

**Languages:** English (C1), Spanish (Native), and learning Dutch.

**Tools:** Github | PowerBI | SQL/MySQL | MongoDB | Linux | Microsoft Office

**Programming languages:** Python | R | Matlab/Octave | Java | C | SQL/MySQL | JavaScript | HTML/CSS