



# José Cordova (B.Sc.)

## Master Computer Science Student

### Hard Skills

#### Data Science

- Data Visualization: [Matplotlib](#) / [Seaborn](#) / [Amazon QuickSight](#)
- Data Processing: [Python](#) / [SQL](#) / [Pyspark](#) / [Microsoft Excel](#)
- Un-/Supervised Learning: [Clustering](#) / [Classification](#) / [Regression](#)
- Model Validation: [Explainable AI](#) / [Fairness Aware Machine Learning](#)

#### Software Development

- Programming: [Python](#) / [Java](#) / [Javascript](#) / [Node.js](#) / [C](#)
- Frameworks & Systems: [Git](#) / [Docker](#) / [Android Studio](#)

#### Full Stack Development

- Front-End: [HTML5](#) / [CSS3](#) / [Bootstrap](#) / [Materializecss](#) / [Figma](#)
- Back-End: [SQLite](#) / [MySQL](#) / [NoSQL](#) / [PostgreSQL](#) / [Flask](#) / [Spring Boot](#) / [Apache](#)
- Cloud Computing: [AWS](#) / [GCP](#)
- Spanish, English, German

#### Languages

### Experience

2021 – Present

#### Research assistant (Remote)

Department of Databases and Information Systems

Heinrich-Heine University Düsseldorf

- Coordinate with interdisciplinary teams to implement and evaluate machine learning models to predict academic success based on student's academic data
- Implementation of different ML models in a general tool that facilitates the analysis of their performance and fairness
- Development and maintenance of the project's website, [rapp.hhu.de](http://rapp.hhu.de)

Nov. 2021 – May. 2022

#### Data Analytics Praktikum (Remote)

SecureSystem

- Evaluation of tools to enable artificial intelligence on the basis of AWS
- Research into externally existing data in order to enrich existing material
- Development of an AI platform with the aim of deploying it in the company

### Education

vsl. 2024

#### M.Sc Computer Science.

Heinrich-Heine Universität Düsseldorf

- Focus subject:  
[Databases and Information Systems](#)

Completed 2021

#### B.Sc Computer Science.

Heinrich-Heine Universität Düsseldorf

- Focus subject:  
[Databases and Information Systems](#)
- Bachelor thesis:  
[Explainable AI: Predicting Students' Academic Performance](#)

### Contact

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📍 Düsseldorf

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