

# ALEJANDRO MUÑOZ NAVARRO

## Contact Information

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## Education

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Master of Science in Artificial Intelligence

*Technical University of Madrid*

September 2020 - July 2022

CGPA: 8.13

Bachelor of Science in Computer Engineering

*Technical University of Madrid*

September 2015 - June 2020

CGPA: 7.00

## Professional Experience

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March 2022 - Present

*Junior Engineer in Air Traffic Management*

- Develop backend software for national and international air traffic management projects in the European Union
- Utilize technologies such as Java 11 with Spring Boot, Apache Kafka, MongoDB, Docker, Maven, Bitbucket, Python, Bash, Jira, and Microsoft products
- Participated in the design and implementation of data processing and integration solutions for air traffic management systems

Informática El Corte Inglés S.A. (Inetum)

September 2018 - June 2019

*Internship in SAP & POS Services*

- Serve as a Technical Consultant, resolving incidents using ABAP for the SAP & POS Services department
- Work in a team using Jira and SAP Logon to resolve incidents involving tables, ALVs, transactions, and dynpros
- Promoted to continue with the company in the SISnet department after 4 months, then promoted to the SAP & POS Services department to work on an e-commerce project for Pepe Jeans using Java and Spring

## Projects

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[Easy Reading of Automatically Generated Texts](#) (Master Thesis)

July 2022

- Implemented a natural language processing (NLP) system using Python 3, Django, and spaCy/NLTK to automatically adapt texts for people with cognitive disabilities, following the Easy Reading Methodology guidelines.
- Developed methods and software to replace numbers written in letters with digits, simplify large numbers, replace percentages and fractions with more easily understood words, and eliminate complexity in sentences by removing parentheses.
- Built a web application using Django that follows the Easy Reading Methodology's requirements to improve accessibility.

[Style Transfer Between Photographs](#) (Degree Final Project)

January 2020

- Developed an algorithm using MATLAB to transfer the style of one photograph to another with a focus on landscape photographs, later expanding to include sepia, color, and black and white.
- Extended the application to include the transfer of styles between portraits, including not only style transfer but also background transfer from one image to another.

## Technical Skills

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Proficient in: Python, MATLAB, Java, ABAP, C, R, HTML, CSS, SQL

Familiar with: Django, OpenCV, NumPy, Keras, TensorFlow, spaCy, NLTK, Scikit-Learn, Pandas, Seaborn, Spring Boot, Apache Kafka, MongoDB, Docker, Maven, Bitbucket, Bash, Jira, Git, Scrum, SAP, JMS, RMI

Fluent in Spanish and English