MIGUEL COZAR

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Highly skilled AI student with experience in research and software development, seeking Data Science roles.

EDUCATION

ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO, IL   Expected July 2023
Master of Artificial Intelligence, GPA 3.75.
Relevant Courses: Natural Language Processing, Big Data Technologies, Deep Learning, Machine Learning, Online Social Network Analysis, Advanced Artificial Intelligence.

TECHNICAL UNIVERSITY OF MADRID, SPAIN   2017 – 2023
Master & Bachelor of Telecommunication Engineering, GPA 3.61
Relevant Courses: Programming, Software Analysis and Design, Business Administration, Data and Service Centers, Statistics, Algebra.
- **Scholarship Recipient**: Completed Bachelor's final project (Design and Implementation of a Promotional Listening Service) with Speech Technologies Group, experts in Natural Language Processing, resulting in an honors proposal.

EXPERIENCE

Graduate Researcher: Computer Science Department   November 2021 – July 2022
Technical University of Madrid
- Created and registered a webpage owner identification algorithm: helped to automatically identify hundreds of companies behind domains, including the entire network of subsidiary companies.
- Constructed an anycast IP geolocation algorithm based on network measures utilizing Python.
- Researched privacy engineering methods with a focus on Android mobile applications resulting in two conference papers.

Software Developer (Intern)   April 2019 – February 2020
INDRA
- Built a Softphone using the SIP protocol and designed a radar emitter generator in Python, helping the company to detect radar signals and its parameters in advance.

PROJECTS

- Developed an automatically deployed AWS hosted currency trading platform with Docker, Terraform and time-series databases (InfluxDB), concluding in a maximum grade.
- Gathered a publicly available dataset of the US Senate Twitter network and performed a deep analysis and description of the current US politic landscape using machine learning topic models.
- Created a News Summarizer using BERT models, deployed as a Twitter bot and able to answer user requests on stream
- Designed and developed "Concierge", a web application for hotel management with React, JavaScript and Java. Product owner in a group of five, following Scrum Agile methodology, resulting in a successful launch.
- Built a song popularity predictor using Keras Neural Networks collaborating with multiple classmates.
- Devised regional telecommunication services provider working with a large group.

PUBLICATIONS

- "Reliability of IP Geolocation Services for Assessing the Compliance of International Data Transfers," EuroS&PW 2022. Presented in Genova and awarded the **Best Presentation of the Day.**
- "Identifying Organizations Receiving Personal Data in Android Apps". SECRYPT 2022.

SKILLS

- **Technology:** Python (oriented to Data Science and Analysis: Pandas, Numpy, Keras, TensorFlow, Sklearn, Plotly), Git, Linux, Javascript, React, AWS ecosystem (Spark, Hadoop, Hive), Terraform, Latex, Microsoft Office, APIs, SQL, Java, time-series, statistics, data visualization tools, Docker, agile methodologies, design thinking.
- **Languages:** Spanish (Native), English (Fluent), French (Intermediate).

VOLUNTEER AND LEADERSHIP

LatinXAI: Volunteer Medium Content Creator   December 2022 – Present
- Volunteered and devised personal AI projects and shared the results on the Medium platform. Educated and inspired others in the community to pursue AI careers reaching more than thousand views in the first article. https://medium.com/@mcozar.

Student Athlete and Team Captain (Soccer)   2005 – Present
- Player in six different soccer clubs. Club captain for three years, winning a regional championship during that period.