ALEJANDRO BARRACHINA ARGUDO

Computer Science student with knowledge in Java, C++ and Python among others aplied to AI data analysis with tools such as tensorflow and pandas, and with experience with VR simulations in virtual environments.

CONTACT

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- k @ALK222

SKILLS

Programming

- **C++**
- **Java**
- **Python**
- **C#**
- **MariaDB / SQL**
- **MongoDB**
- **LaTeX**
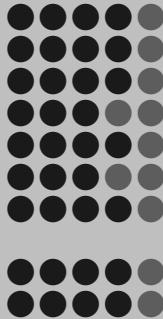
Operative Systems

- **Linux**
- **Windows**

Software & Tools

- ***IDEs y Editores***
- **VS Code**
- **Eclipse for Java**
- **Visual Studio**
- **Unity**
- **DataGrip**
- **HeidiSQL**

Languages

- **Castellano**
- **Inglés**

SKILLS

- **Teamwork**
- **Team management**
- **Leadership**
- **Public speech**
- **Easy troubleshooting**
- **Oral and written comunication**
- **Responsible**
- **Adaptability**
- **Driving licence and own car**

⚙ EXPERIENCE

June 2024 - February 2025
Capgemini Spain

Intern

- Tensorflow
- Gradio
- Python
- Microsoft Phi 3
- AI & Data analytics

EDUCATION

Current
Universidad Complutense de Madrid

Computer Science Engineering

Specifics of Computing Technology

Electives

- NoSQL Databases
- Evolutive Programming
- Machine Learning

Final Degree Project : *Motion capture for gesture detection in virtual environments*

👥 COLABORATIONS

2021 - Current
Universidad Complutense de Madrid

OTEA-UCM

- Git talk 2022/2023/2024
- Advanced Github talk 2022
- Help organizing events

2023 - Current
Universidad Complutense de Madrid

Vicedecanato FdI UCM

- Advanced Git talk 2023
  (IX Semana de la Informática)
- Advanced Github talk 2024
  (X Semana de la Informática)
- Help organizing events

📄 PUBLICATIONS

Motion capture for gesture detection in virtual environments

A. Barrachina, A. Romero, I. Sagredo, P. Sánchez

2025 📋 CEV 2025

Not yet published

CERTIFICATIONS

2020
Codecademy

Learn the Command Line Course

2020
Codecademy

Learn Git Course

2020
Codecademy

Learn the HTML Course

2020
Codecademy

Learn the Ruby Course

2024
Coursera - University of Michigan

Applied Machine Learning in Python

2024
Coursera - IBM

Introduction to Computer Vision and Image Processing

2024
Coursera - University of Washington

Machine Learning Foundations: A Case Study Approach

2024
Coursera - DeepLearning.AI

Neural Networks and Deep Learning

2024
Coursera - IBM

Scalable Machine Learning on Big Data using Apache Spark

2024
Coursera - UCDavis

Distributed Computing with Spark SQL

2024
Pluralsight

Building Your First ETL Pipeline Using Azure Databricks

2024
Pluralsight

Building Machine Learning Models in Spark 2

2024
Pluralsight

Conceptualizing the Processing Model for Apache Spark Structured Streaming

2024
Pluralsight

Getting Started with Spark 2

2024
Pluralsight

Apache Spark Fundamentals

2015
Cambridge English

Councyl of Europe Level B1