LEÓN CORBACHO RODRÍGUEZ

Computer Engineer | Information Systems and AI Specialist

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PROFESSIONAL PROFILE

Computer Engineer specialized in Information Systems, with solid training in Artificial Intelligence, Databases and Software Development. More than 5 years of practical experience in complex university projects, with direct collaboration with industry (Fujitsu, Algentransit). Demonstrated ability for rapid learning, teamwork and adaptation to agile environments. Seeking opportunities to apply knowledge in AI/ML, backend development and systems administration.

EDUCATION

2020-2025 | Bachelor's Degree in Computer Engineering
University of Granada | Specialty: Information Systems
- Relevant coursework: Artificial Intelligence, Distributed Databases, Information Retrieval, Business Intelligence, Information Systems Engineering, Server Engineering

2017-2020 | Technological High School Diploma
IES Hozgarganta, Jimena de la Frontera

2021 | English Level B2 Certificate
Trinity College London | Academia RubioCentro, Algeciras

2024 | Mobile Learning: Application of mobile devices in the classroom
University of Granada

2022 | Digital Information: Representation and Encoding
University of Granada

NOTABLE PROJECTS

Final Degree Project (TFG) - "NLP Models in Information Management"
Jan-Jun 2025 | University of Granada + Fujitsu + Algentransit S.L.
- Development of full-stack application for natural language processing using transformers and automatic encoding models

- Evaluation and fine-tuning of language models for technical term classification task
- Implementation of data pipeline with LangChain and HuggingFace, improving accuracy by 15% over baseline
- Technologies: Python, LangChain, HuggingFace, Docker, SQL

University Project - Intelligent Agents for Pathfinding

University of Granada | 2023

- Programming of reactive and deliberative agents with A* algorithms and heuristic search strategies
- Performance optimization through efficient data structures, reducing calculation time by 30%
- Technologies: Python, C++, Git

Information Retrieval Systems

University of Granada | 2024

- Design and implementation of search engine with inverted indexing and TF-IDF ranking
- Development of web scraping for dataset of 10k+ technical documents
- Technologies: Python, BeautifulSoup, Elasticsearch, MySQL

TECHNICAL EXPERIENCE

- Continuous University Projects (2020-2025)
- Creation and management of SQL and NoSQL databases
- Development of web pages and application of web scraping techniques
- Study and training of Artificial Intelligence models for datasets
- Programming of reactive/deliberative agents for pathfinding algorithms

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TECHNICAL SKILLS

- Programming: Python (Intermediate-Advanced), Java, C++, C, SQL (Intermediate)
- Web Development: HTML, CSS, JavaScript, PHP (Beginner-Intermediate)
- Databases: MySQL, PostgreSQL, MongoDB, Distributed Databases (Intermediate)
- AI/ML & Data Science: Pandas, NumPy, Matplotlib, LangChain, LangGraph, HuggingFace (Intermediate)
- DevOps Tools: Docker, Git, Linux Shell, PowerBI (Intermediate)
- Additional: OpenGL, Knime, Godot, Ruby (Beginner)

LANGUAGES

- Spanish: Native
- English: B2 (Trinity Certificate) | Professional technical level

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TRANSVERSAL COMPETENCIES

Time management | Teamwork | Proactivity | Transparency | Collaboration | Adaptability | Perseverance