Junjie Ji

Data Scientist | Data Analyst | Mathematician | Problem solver

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EXPERIENCE

Hospital del Mar — *Data Scientist | AI/ML Architect*

JAN 2024 - CURRENT

- Working on Federated Learning with medical data
- Working on fine tuning a LLM for private medical use.
- Working on RAG for data retrieval from different sources.

Freelance — *Data Scientist | Machine Learning Engineer*

JUNE 2023 - CURRENT

- Helped two medium companies to become Data Driven.
- Implemented Machine Learning algorithms for Geolocalizations.
- Performed Time Series analysis for a Marketing team.
- Implemented a pricing algorithm for different products.
- Created and presented dashboards with Altair for CEO and Managers

NTT Data — *Data Analyst*

FEB 2022 - JAN 2023

- Managed and extended SQL procedures and views with Big Data.
- Documented tedious tasks within the Application for easier later replication.
- Helped the debugging team with the Main Application.
- Provided support for other projects as a problem solver.

UVE Solutions — *Solutions Analyst (internship)*

JUNE 2021 - NOV 2021

- Managed and extended SQL procedures and views for the Web Application.
- Optimized a difficult SQL procedure from 3 weeks to 3 days.
- Designed and Implemented KPIs on the Dashboard of the Web Application.
- IT support for consultants (Excel extensions, bulk image and file change, etc.)

EDUCATION

University of Barcelona — *MSc. Data Science (2022-2023)*

- Honors in Computer Vision, Big Data, Deep Learning, Bayesian Statistics and Agile Data Science.

University of Barcelona — *BSc. Mathematics, CS minor (2017-2022)*

- Honors in Arithmetics, Calculus I & II and Graph Theory. Coursed Databases, Artificial Intelligence and Python in CS.

Predicting Human Perceptual Decisions from Neural Activity — MSc. Data Science Thesis

- Used neural science to get better insights of an Electroencephalogram dataset.
- Used Time series analysis, Deep Learning and Machine Learning on neural data.

SKILLS

Programming languages:
Python, C, C++, Java, SQL, R, Javascript, html, CSS, etc.

Machine Learning toolkit:
Numpy, Pandas, Scipy, Altair, scikit-learn, statsmodels, PIL, OpenCV

Deep Learning toolkit:
Keras, Tensorflow, Pytorch, RNN, CNN, LSTM, GAN, LLM, NLP, RAG

Miscellaneous:
GitHub, Git, Office (all), MongoDB, MySQL, PostgreSQL, Tableau, PowerBI, Dash, Plotly, Jira, Cloud Computing, Agile Methodologies, Azure, AWS, Streamlit, NVIDIA Clara, NVIDIA Flare, PySyft, threejs

LANGUAGES

Spanish (native)
Chinese (native)
English (native)
Catalan (native)
Japanese (intermediate)

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[1] I have a permanent work permit in Spain and up to two years within the European union.