

JUNJIE JI

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 Barcelona, Spain  +34 640644132

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, MongoDB, MySQL, PostgreSQL, Tableau, PowerBI, Dash, Plotly, Jira, Azure, AWS, Streamlit
Languages:	Spanish (native), Chinese (native), English (native), Catalan (native)

RELEVANT EXPERIENCE

Hospital del Mar <i>Senior Data Scientist</i> - Lead Data Scientist for the Federated Learning project - Working on fine tuning LLMs for private medical use - Working on RAG for data retrieval from different clinical sources - Tutoring Master students on their final thesis - Working on medical imaging explainability	<i>Barcelona, Spain</i> <i>Jan 2024 - Current</i>
Hospital del Mar Research Institute <i>Researcher</i> - Research Program in Cancer (single-cell DNA Analysis) - Python and Machine Learning Course Instructor	<i>Barcelona, Spain</i> <i>May 2024 - June 2025</i>
NTT DATA <i>Data Analyst</i>	<i>Barcelona, Spain</i> <i>Feb 2022 - Jan 2023</i>
UVE - Route to market data intelligence <i>Solutions Analyst - Internship</i>	<i>Barcelona, Spain</i> <i>June 2021 - Nov 2021</i>

EDUCATION

University of Barcelona <i>MSc. in Data Science</i> - Honors in Computer Vision, Big Data, Deep Learning and Agile Data Science	<i>Barcelona, Spain</i> <i>Sept 2022 - July 2023</i>
University of Barcelona <i>BSc. in Mathematics</i> - Honors in Arithmetics, Calculus I, Calculus II and Graph Theory. Coursed Databases, Artificial Intelligence, Python and Java in CS minor	<i>Barcelona, Spain</i> <i>Sept 2017 - July 2022</i>
Changzhou University <i>Exchange Program</i>	<i>Changzhou, China</i> <i>Summer 2019</i>
Aula Escola Europea <i>International Baccalaureate Diploma</i>	<i>Barcelona, Spain</i> <i>Sept 2013 - July 2014</i>

AWARDS

- PFIS Scholarship for research (issued by ISCIII, 2025)
- CiMs Cellex Scholarship (issued by Catedra UPC, 2013)
- Scored 145/150 in "Cangur 2012"
- 2nd Place in "Fem Matematiques 2010" (Catalonian Mathematics Olympiad)
- 4th Place in "Fem Matematiques 2011" (Catalonian Mathematics Olympiad)