

Josep Audenis Ros

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[in josep-audenis](#) | [josep-audenis](#)

Barcelona, Catalonia, Spain

OBJECTIVE

Aspiring to leverage my background in computer science and research to solve real-world problems through data-driven insights and advanced machine learning techniques. I am eager to contribute to impactful projects in data science, deep learning, and AI while continuously learning and collaborating in multidisciplinary teams.

EXPERIENCE

- La Salle URL** [\[Globe\]](#) September 2024 - Present
Quantum Computing Research Intern Barcelona, Spain
 - Collaborated hand in hand with a PhD candidate in Quantum Computing and Quantum Machine Learning.
 - Implemented and documented over 10 quantum algorithms for academic and research purposes.
 - Developed unit tests for a quantum transpiler using JUnit, increasing workflow efficiency by 30%.
 - Wrote comprehensive documentation for the quantum transpiler, facilitating collaboration.

EDUCATION

- La Salle URL** September 2022 - June 2026
Computer Engineering Barcelona, Spain
 - Teaching assistant:
 - Operating Systems Administration
 - Knowledge Based Systems
- Jesuïtes Casp** September 2008 - June 2020
Elementary to High School education Barcelona, Spain
 - Activities & societies: Robotics club

PROJECTS

- EuroSAT: Extracting More from Less** May 2025
Tools: Python, scikit-learn, pandas, matplotlib [\[Globe\]](#)
 - Designed a feature extraction pipeline using three spectral bands (RGB) for Sentinel-2 satellite image classification.
 - Applied and benchmarked classical ML algorithms, analyzing how feature engineering narrows the gap to state-of-the-art performance.

SKILLS

- Programming Languages:** C, Python, Java, Shell, Assembly, Dart
- Web Technologies:** HTML, CSS, PHP, JavaScript, CodeIgniter
- Database Systems:** MySQL, SQLite
- Data Science & Machine Learning:** Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, TensorFlow
- DevOps & Version Control:** Git, Dockers
- Mathematical & Statistical Tools:** Matlab, Latex, SciPy, Excel
- Other Tools & Technologies:** Quantum Computing, Qiskit
- Research Skills:** Literature Review, Technical Writing, Algorithm Analysis, Scientific Presentations

ADDITIONAL INFORMATION

Languages: Catalan (Native), Spanish (Native), English (B2), French (A1)