

ÁLVARO MENÉNDEZ ROS

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Software Engineer

EDUCATION

MSc Artificial Intelligence & Engineering Systems

TU/Eindhoven

Sep 2025 - Jun 2027

Track: Healthcare

BSc Data Science & Artificial Intelligence

Maastricht University

Sep 2021 - Dec 2024

Thesis: Data Analysis of Classroom Dynamics

EXPERIENCE

Software Engineer Intern — [ASML](#)

Feb 2026 - Current

Built a GUI to navigate and preprocess experiments from a database, now used by 10+ engineers.

- Embedded MATLAB legacy code into a Python pipeline accessible via the GUI, eliminating the entry barrier to accessing data
- Created a batch script that launches a FastAPI local web server using a Portable Python distribution, allowing users to run MATLAB via subprocesses
- Ensured all processed experiments are shared globally and a static set of .html files are created for offline access
- Full time internship parallel to my master studies (no ECTS gained) with a two month extension to add new features to the product

Software Developer — [Berinhart](#)

Sep 2024 - Feb 2025

Worked as a freelance software developer consultant for different projects and clients in the Dutch ecosystem.

- Contributed to [Sqippa](#), a Dutch IoT platform for smart buildings, by building features like a calendar view for managing devices and a building owner migration option

Data Science Intern — [Ans](#)

Sep 2023 – Feb 2024

Built a pipeline with a team to classify exam questions into different groups (e.g., Algebra, Geometry, Probability, Optimization).

- Compared and benchmarked open-source models from HuggingFace to standard ML techniques and API accessible pretrained models like GPT 3.5

Student Ambassador — Maastricht University

Sep 2023 – Jan 2024

Represented the university during events, answering questions from parents and incoming students about the studies.

- Mentored a group of 6 first-year students to help with their transition to university life

INTERESTS

- Actively attend Tech conferences ([South Summit](#), [Codemotion](#)) and Hackathons ([Hack2Progress](#), [AXA Hackathon](#))
- I build AI [side projects](#) for fun