

EXPERIENCE

- **Master Thesis student** Lisbon
Instituto de Telecomunicações - Sardine Lab *Nov. 2023 - Present*
 - Working on State Space architectures in NLP for document-level machine translation (RetNet, S4, Mamba, ...).
 - Advised by Prof. André Martins and Dr. Marcos Treviso.
- **Co-Founder** Lisbon/Munich
SMP Technologies *April 2023 - Dec. 2023*
 - Co-founded a startup intended to solve and automate enterprise problems and tasks with modern AI technologies (Generative AI, Computer Vision).
 - Conceptualized and developed AI software solutions for small and medium-sized businesses.
 - Designed and implemented the company's website, hosting the required business infrastructure on AWS.
- **Research Assistant** Munich
Technical University of Munich - Sebis Lab *Nov. 2022 - July 2023*
 - Developed a framework for fine-tuning/evaluating various DL models in different NLP downstream tasks.
 - Co-authored publications drafts that were discontinued.
 - Advised by Prof. Florian Matthes and Anum Afzal

EDUCATION

- **Lisbon Machine Learning School** Lisbon
Summer School *July 2023*
 - Week-long school covering everything from fundamental Machine Learning to Transformers and Multimodality.
 - Attended lectures, labs and keynotes from selected speakers, distinguished professors and renowned researchers.
- **Technical University of Munich** Munich
Master's in Informatics *Oct. 2021 - Present*
 - Completed several courses in ML, Scientific and Quantum Computing areas.
 - Lead a team building a Text Simplification system with a pipeline of Deep Learning models.
 - Worked on a financial assistant chatbot in the Chair of Digital Finance.
 - Projected average of 1.8/5, ECTS: A.
- **Instituto Superior Técnico** Lisbon
Bachelor's in Computer Science and Engineering *Sep. 2018 - July 2021*
 - Coordinated group projects in areas like Software Engineering, Distributed Systems, Networking and ML.
 - Graduated with 17/20 average (received Academic Merit Distinction certificate), ECTS: A.

PROJECTS

- **Politica Aberta** *Dec. 2023 - Present*
<https://politica-aberta.pt>
 - Lead Developer of a Retrieval-Augmented Generation LLM system.
 - The open-source project intends to simplify access to the political parties' election promises and manifests.
 - Built the system using React, Flask and the OpenAI API. Github.

CERTIFICATES

- **TOEFL iBT:** 115/120 - C2 English

PROGRAMMING SKILLS

- **Languages:** Python, TypeScript, Java **Technologies:** PyTorch, NumPy, Docker, React