

# Hugo Pitorro

<https://pitorro.de/>

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Mobile : XXXXXXXXXXXX

## EXPERIENCE

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- **Master Thesis student** Lisbon  
*Instituto de Telecomunicações - Sardine Lab* Nov. 2023 - Present
  - Working on novel State Space architectures in NLP (RetNet, S4, Mamba, ...).
  - Advised by Prof. André Martins and Marcos Treviso.
- **Co-Founder** Lisbon/Munich  
*SMP Technologies* April 2023 - Dec. 2023
  - Designed and implemented the company's website.
  - Hosted the required business infrastructure on AWS.
  - Conceptualized and wrote content for workshops covering Generative AI in a business setting.
- **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 experimental publications that were discontinued.
  - Advised by Anum Afzal.

## EDUCATION

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- **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 (Academic Merit Distinction), ECTS: A.

## PROJECTS

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- **Politica Aberta** Dec. 2023 - Present  
*<https://politica-aberta.pt>*
  - Working on Retrieval-Augmented Generation Chatbot for the current Portuguese political elections.
  - Built the website using React with NextJS and a LlamaIndex-powered Flask API server.

## CERTIFICATES

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

## PROGRAMMING SKILLS

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