

# JOÃO VASCO

Teaching Assistant | AI Researcher @paa.tiff | Backend Engineer @widn.ai | Msc Computer Science & Engineering

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## EXPERIENCE

### Backend Engineer

#### Widn.Ai

10/2024 - Present Lisboa, Portugal

As a Backend Engineer at Unbabel, I had the privilege of contributing to the development and successful launch of Widn.AI, a machine translation app powered by our proprietary Large Language Model, TowerLM. Joining the project before its official release, I experienced the full startup journey—building from scratch and navigating the exciting challenges of creating a product from the ground up. In this role, I gained invaluable insights into working in a fast-paced, innovative environment and honed my skills in decision-making, collaboration, and technical implementation. Being part of a global and diverse team has been immensely rewarding, and seeing Widn.AI officially launch as a tool that simplifies global communication is a milestone I'm proud to have contributed to.

- Designed and implemented public APIs used by a wide range of users
- Led integrations with platforms like Blackbird.io
- Explored other integration opportunities like TransPDF

### AI Researcher

#### Paatiff

03/2023 - Present Los Angeles, CA

At the cutting-edge intersection of technology and fashion, I am pioneering research initiatives at paatiff, a brand renowned for its bold foray into fusing traditional fashion elements with avant-garde design. My work focuses on harnessing the power of artificial intelligence to redefine the boundaries of style and sustainability. With a keen eye on the latest scientific advancements, I am dedicated to staying at the forefront of research in AI applications for fashion. My goal is to bridge the gap between technology and design, creating innovative solutions that promote sustainability and efficiency in the fashion industry.

- Leveraging AI to create unique, sustainable fabric designs and patterns that push the creative boundaries of fashion.
- Exploring the use of LLMs to analyze and predict fashion trends, enhancing our brand's design strategy with data-driven insights.
- Customizing AI models to align with specific aesthetic goals, ensuring our collections resonate with both contemporary trends and timeless elegance.

### Backend Engineer

#### Unbabel

02/2024 - 12/2024 Lisboa, Portugal

As a Backend Engineer at Unbabel, I am proud to contribute to the success of our Integrations Team by delivering on our expected results. Leveraging my expertise in Python, Go, MongoDB, and PostgreSQL, I am instrumental in designing, implementing, and enhancing our robust software architectures and services. My work ensures the delivery of high-quality code, optimal performance, and security, aligning with Unbabel's commitment to providing seamless global support in any channel and in any language. Through my contributions, we are achieving our goals of blending advanced artificial intelligence with human editors for fast, efficient, high-quality translations that get smarter over time. This enables enterprises to grow into new markets and build seamless customer experiences worldwide. My role is not just about coding; it's about being part of a team that makes a significant impact on how businesses communicate with their customers globally.

- Highlight your accomplishments, using numbers if possible.

### Teaching Assistant Professor

#### Instituto Superior Técnico

08/2023 - 09/2024 Lisboa, Portugal

As a Teaching Assistant for 'Human-Computer Interaction', I'm bringing the dynamic teaching approach I experienced at SKKU to Portugal, aiming to create a more connected learning environment. With two classrooms of 24 students each, including learners from Portugal, Brazil, Angola, Cape Verde, and Sao Tome, I facilitate interactive lectures and collaborative projects to engage diverse perspectives. Alongside teaching, I meticulously evaluate their projects, ensuring rigorous standards and fostering a culture of hard work and excellence. Through personalized support and mentorship, I empower students to excel while fostering a passion for leveraging technology to enhance human experiences.

- Highlight your accomplishments, using numbers if possible.

## SUMMARY

Teaching Assistant | Computer Science & Engineering | Data Science Researcher | Blockchain Enthusiast <https://joaovasco01.github.io> [jvasco.myportfolio.com](https://jvasco.myportfolio.com)  
About Me: Msc Computer Science & Engineering student at Instituto Superior Técnico. Teaching Assistant in Human-Computer Interaction (HCI). Academic Journey: Currently researching and writing my Master's Thesis on "How to disappear online: approaches for digital erasure and evaluation methodologies." Committed to unraveling the intricacies of digital privacy and security. Global Perspective: Enriched my academic experience with a year of study at Sungkyunkwan University, broadening my horizons and embracing diverse perspectives in the tech world. Passion for Innovation: I thrive on challenges that push the boundaries of technology. Whether it's crafting code, conducting research, or fostering creativity in HCI, I'm dedicated to making a meaningful impact in the tech community. Let's connect and explore opportunities, share insights, and collaborate on cutting-edge projects. Together, we can shape the future of technology. [+351 961677384] | [joao.vasco.sobral@tecnico.ulisboa.pt](mailto:joao.vasco.sobral@tecnico.ulisboa.pt) | [Git \[https://github.com/joaovasco01\]](https://github.com/joaovasco01)

## SKILLS

TypeScript	JavaScript		
Amazon Web Services			
Plataforma de integração como serviço (iPaaS)			
Node.js	Kubernetes	Docker	FastAPI
MongoDB	PostgreSQL	Django	Flask
Interface de programação de aplicativos (API)			
Git	Engenharia	python	Inglês
Espanhol	ESL (Inglês como segunda língua)		
Português			

## EXPERIENCE

### Intern Solidity Engineer

#### Three Sigma

07/2023 - 10/2023 Lisbon, Portugal

#### Company Description

- Learning Solidity (.sol)
- Blockchain
- DeFi
- GameTheory
- Network Security
- Bitcoin
- Finance
- Ethereum
- Public&Private Keys
- Distributed System

### Frontend Web Developer

#### Thales

02/2022 - 08/2022 Location

Developed a project in the "Innovation Hub Development" sector for Thales, through Junitec. As an integral member of the technology consulting team for the Thales Group project, I contribute to developing and implementing innovative technological solutions.

- Actively engaged in the development of an interactive module configurator and generator, designed to integrate seamlessly with Thales' applications using Mongo.db and Vue.js.
- Work collaboratively within a three-person team, ensuring deliverables meet high standards in quality and timeliness.
- Assist in managing client relationships and participating in project meetings for effective communication and alignment with project goals.
- Support the recruitment process by participating in the interviewing of potential candidates.

### Internship

#### ASR Consultoria de Gestão e Administração de Condomínios, Lda

09/2019 - 01/2021 Lisbon, Portugal

#### Company Description

- I managed everything software related where I took part in its development.

### Athlete

#### Federação Portuguesa de Ténis

10/2013 - 06/2020 Location

I took part in the team: "Clube Ténis Paço do Lumiar" for almost 7 years.

- Competed in several National Tournaments

## EDUCATION

### Master's degree, Computer Science & Engineering

#### Instituto Superior Técnico

08/2022 - 08/2024

### Master's degree

#### Sungkyunkwan University

07/2022 - 06/2023

### Bachelor's degree, Computer Science and Engineering

#### Instituto Superior Técnico

01/2019 - 01/2022

### High School Diploma

#### Colégio Manuel Bernardes

01/2013 - 01/2019

### Degree and Field of Study

#### Colegio planalto

01/2007 - 01/2012