Catarina Bento

RESEARCHER, ASSISTANT PROFESSOR AND STUDENT IN THE COMPUTER SCIENCE AND ENGINEERING FIELD

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Summary

I am a Computer Science and Engineering student at Instituto Superior Técnico - University of Lisbon. I am mostly interested in the **Data Engineering and Distributed Systems** field, in which I am currently developing my thesis.

Education

Master's Degree in Computer Science and Engineering	*University of Lisbon*
INSTITUTO SUPERIOR TÉCNICO	*2022 - 2024*

- Specialization in **Data Science And Engineering** and **Cyber Security**.
- Current grade Average: 17/20

Bologna Degree in Computer Science and Engineering	*University of Lisbon*
INSTITUTO SUPERIOR TÉCNICO	*2019 - 2022*

- Grade Average: 16/20

European Innovation Academy	*Cascais*
INTERNATIONAL ENTREPRENEURSHIP SUMMER COURSE	*2019*

- World's leading entrepreneurship summer program. I was taught various subjects, from Business and Marketing to Design (UX & UI).

Experience

Early Stage Researcher	*Lisbon*
INESC-ID	*October 2023 - June 2024*

- Researcher in the project URA-HPC: Ultra-Scalable Randomized Algorithms for Current and Future High-Performance Supercomputers.

Teaching Assistant	*University of Lisbon*
INSTITUTO SUPERIOR TÉCNICO	*Sep 2022 - June 2024*

- Bachelor Degree Level: Computer Organization
- Master Degree Level: Parallel and Distributed Computing

Information Technology Lab of the Civil Engineering's Department	*University of Lisbon*
PRESIDENT	*September 2021 - July 2022*

- Manage the lab's departments and facilitate the communication between the lab's workers (students) and the Department's employees.

TECHNICAL DEPARTMENT	*February 2019 - August 2021*

- Fix and test the Lab's computers and assist in any kind of technical problem regarding its use by the students.
- Maintaining and developing the Lab's website, using wordpress.

Math Tutor	*Lisbon*
SELF-EMPLOYED	*December 2021 - June 2023*

Technical Skills

Languages	Java | Python | C | C++ | JavaScript | Prolog | HTML | CSS | SQL
Frameworks	OpenMP | OpenMPI | pandas | matplotlib | sklearn | VueJs | Spring Boot
Tools	Ansible | Kubernetes | Google Cloud Services (GCP) | Amazon Web Services (AWS) | Pentaho Data Integration & Server | Saiku Analytics | MySQL | Figma | Git | Adobe XD | Android Studio

Certificates

Cambridge English Assessment	C2 Proficiency - Score: 203
MOOC - Instituto Superior Técnico	Data Science Classification

Extracurricular Activities And Projects

Student Representative
Lisbon

MASTER'S DEGREE FIRST YEAR
September 2022 - July 2023

- Part of a team of 3 students to represent first-year master students.
- Facilitate communication between Students and the Department's Professors.

Human Resources Coordinator & Core Member
Lisbon

HACKERSCHOOL - PROGRAMMING, ELECTRONIC AND MECHANICAL PROJECTS
February 2019 - July 2020

- In this club, I was head of HR and handled everything from recruitment to organizing team building events. I was also part of technical projects.

TecStorm 2020
Portugal

3RD SPOT ON THE 5G CATEGORY
2020

- Developed an idea with my team, regarding a wheelchair that was controlled by voice via a phone app. I created a mobile app that recognized the voice and told the car what to do. We also created a prototype and presented the idea to the jury.
- Android Mobile App in Java. GitHub Integration. Android Studio.

Volunteer Work

Portuguese Girl Guides Association

BRANCH LEADER

- Guided girls from ages 6-10 and 14-17.

Parede's Food Bank

FOOD DISTRIBUTER

- Distributed food to families and individuals in need.