Beatriz Borges

Data Scientist

- Lausanne, Switzerland
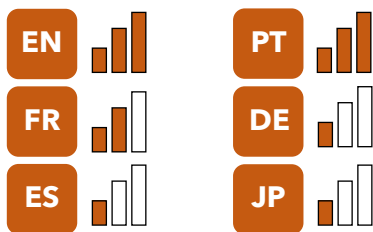- +41 78 792 48 00
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SUMMARY

Ambitious young computer and data scientist who dreams of building the future – by harnessing the increasingly powerful technology around us, particularly Artificial Intelligence and Machine Learning, to provide a better quality of life for people all over the globe. Currently focusing on language and text applications.

LANGUAGES

EN		PT	
FR		DE	
ES		JP	

REFERENCES

" As a young student, Beatriz revealed remarkable organizational and technical skills, which enabled her to complete the course with distinction.

Brilliance is something that reveals itself in young ages, in my personal belief, Beatriz Borges is and will remain a brilliant student.

Prof. Luís Nero Alves, University of Aveiro

EXPERIENCE

ALGORITHM & MACHINE LEARNING INTERN
(2021 - 2022)
LOGICFLOW AG - Zürich, Switzerland
I am currently implementing a state-of-the-art universal sentence encoder with a domain specific vocabulary for software development, along other tasks. The main technologies used include Python, Docker, C#, Azure, and TensorFlow.

GULBENKIAN RESEARCH FELLOW
(2018 - 2019)
CALOUSTE GULBENKIAN FOUNDATION – Lisbon, Portugal
Awarded a New Talents in AI research grant by the Calouste Gulbenkian Foundation. This 10-month grant, with a primary focus on Computer Vision, and a sub-focus on Autonomous Navigation, was applied to subaquatic environments, namely ROVs (Remotely Operated Vehicles) operation.
Besides the 3 workshops - demonstrations of the methods and results of the ongoing (and finished) research - the grant culminated in a 12-page scientific article.

VOLUNTEER EXPERIENCE

EMPOWERMENT LAB - Geneva, Switzerland (2021)
EmpowermentLab volunteer, selected as a Role Model to present my path to girls between 12 and 18 years old, discuss the careers in the current technological landscape, and help them discover new future possibilities.

UNIVERSIDADE DE AVEIRO - Aveiro, Portugal (2016-17)
Organized and lectured end-of-semester review sessions for the classes "Introduction to Digital Systems" (Fall 2016) and "Computer Architecture I" (Fall 2017).

ENE3 - Coimbra, Portugal (2017)
Integrated 2017's ENE3 (an annual event for students by students) staff, assisting an Internet of Things workshop.

EDUCATION

MSC. IN DATA SCIENCE
(2019-2022)
EPFL – Lausanne, Switzerland
Current GPA of 5.7 (higher than the de-facto threshold of excellence of 5.2 out of 6).
Relevant coursework includes machine learning, data analysis, natural language processing, computer vision, behavioral and learning data, information security and privacy, large scale data science with real-world data, distributed systems, and digital humanities.

BSC. IN COMPUTER AND TELEMATICS ENGINEERING
(2016-2019)
UNIVERSIDADE DE AVEIRO - Aveiro, Portugal
Best student of the class of 2019, with a final grade average of 19 out of 20.
Relevant coursework includes algorithms and complexity, programming, automata, introduction to AI, databases, computer architecture, and digital systems.

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REFERENCES

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Beatriz always shown interest and critical thinking about the subjects taught and presented high quality solutions to the proposed problems. She received the *Best Student Award* due to her outstanding academic performance, where she demonstrated the ability to learn and work hard, both autonomously and as part of a two-person team. Throughout the semester, apart from her intellectual ability and ability to work in a group, Beatriz also revealed herself to be determined to succeed.

As such, due to her technical skills and personal qualities, I believe Beatriz has all the conditions to develop great work in the scope of any M.Sc. or Ph.D. program.

Prof. Arnaldo Oliveira, University of Aveiro

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Beatriz has always shown high motivation to reach the proposed goals and go beyond them. It is my strong opinion that Beatriz will be successful in any follow up degree and has excellent conditions to be enrolled into advanced research activities.

Prof. Amaro Sousa, University of Aveiro

INTERESTS

OTHER EDUCATION

INNOSUISSE BUSINESS CONCEPT - Lausanne, Switzerland (2021)
A 14-week training program in developing a business project (that was subsequently positively evaluated by the jury). The training included topics like entrepreneurial thinking, market analysis and value proposition, protection of IP and technology transfer, introduction to financial statements, the start-up ecosystem, financing, product market fit, financial planning and presentation and interview skills.

VENTURELAB BUSINESS CREATION - Zürich, Switzerland (2021)
A 5-day intensive course on going from a minimum viable product to industrialization. Topics covered include delivering unique customer value, convincing customers and investors, defining the business development plan, putting a winning team at work, and securing funding for the Startup Phase.

COURSERA & EDX – Online (2014-Present)
Several MOOCs completed (all with a final grade of 100%), among which the most relevant include Stanford's Machine Learning, DeepLearning's Deep Learning Specialization (5 courses), U. Washington's Computational Neuroscience, and U. Toronto's Introduction to Psychology. Other coursework relates to human physiology, electronics, probabilities, and computer science.

PUBLICATIONS

Laughing Heads: Can Transformers Detect What Makes a Sentence Funny? – IJCAI-21
Maxime Peyrard, **Beatriz Borges**, Kristina Gligorić, Robert West

AWARDS & DISTINCTIONS

- Second place winner in LauzHack 2019, for a personality-assuming conversational AI based on Open AI's GPT-2 and ConvAI's NeurIPS 2018 paper.
- Recipient of a full-ride academic scholarship for the duration of the Bachelor's degree, awarded for exceptional academic performance over the previous two semesters of each academic year.
- Awarded 'Best Student' distinction in 'Digital Systems Laboratories' class, out of more than 100 students.
- Distinguished as 'Best Freshman' in 2016.
- Distinguished as high school's 'Best Student' in 2014.

SKILLS

PYTHON DATA SCIENCE DATA ANALYSIS STATISTICS
MACHINE LEARNING COMPUTER VISION COMMUNICATION
NATURAL LANGUAGE PROCESSING SQL TEAM LEADERSHIP
WEB DEVELOPMENT DEEP LEARNING PYTORCH PROJECT PLANNING
JAVASCRIPT C JAVA TRANSFORMERS TENSORFLOW ROLE ASSIGNMENT
C# DOCKER MARKDOWN GITHUB LATEX