

Vasco Leitão

[Curriculum Vitae]

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I am a recent graduate in the Master's in Data Science of the Faculty of Sciences of the University of Lisbon. I am an avid learner with a soft spot for numbers and sports, who also loves well-structured tables, though I have no problem cleaning them beforehand, of course. My friends love to call me a *nerd*, but I like to believe in the capabilities of the area where I work.

EDUCATION

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- 2019-2021 **Master's Degree in Data Science**
/ Faculdade de Ciências da Universidade de Lisboa (FCUL), Lisboa (Portugal)
/ Average Grade : 18 (eighteen)
/ Relevant classes : Introduction to Research in Data Science, Data Mining, Data Visualization, Bayesian Statistics, Database Technologies, Machine Learning.
- Throughout the Master's, I have learned the fundamentals and good practices in Data Science, including Machine Learning, Data Extraction and Processing, Visualizations, and Natural Language Processing and Deep Learning methodologies.
- 2016-2019 **Bachelor's Degree in Informatics Engineering**
/ Faculdade de Ciências da Universidade de Lisboa (FCUL), Lisboa (Portugal)
/ Average Grade : 15 (fifteen)
/ Relevant classes : Principles of Programming, Information Systems Analysis and Design, Introduction to Artificial Intelligence, Database and Information Systems.
- Throughout the Bachelor's, I have learned the fundamentals and good practices in Computer Science, in topics such as Object-Oriented and Procedural Programming, Logic, Interface Design and Discrete Mathematics, among others.

RESEARCH

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- December 2021 **MSc Thesis, LASIGE, FCUL, Lisbon (Portugal)**
October 2020
 - > Dissertation on **Prioritization of Software and System Requirements through Natural Language Processing for Testing Software.**
 - > Supervised by Prof. Ibéria Medeiros.
 - > Final Grade : **19** (Grade A, nineteen).

Python Jupyter NLTK Graphviz PyTorch \LaTeX
- August 2020 **MSc Research, LASIGE, FCUL, Lisbon (Portugal)**
February 2020
 - > Research on **Requirement Processing in Software Systems through Natural Language Processing.**
 - > Supervised by Prof. Ibéria Medeiros.
 - > Research Grant funded by POR Lisboa – *Programa Operacional Regional de Lisboa* (Portugal2020), through FEDER funds, within the scope of Industrial I&D project “*XIVT - eXcellence in Variant Testing*”.

Python Jupyter NLTK spaCy Graphviz \LaTeX

PUBLICATIONS

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- 2021 **SRXCRM : Discovering Association Rules Between System Requirements and Product Specifications**
Vasco Leitão, Ibéria Medeiros, in “Proceedings of the International Workshop on Natural Language Processing for Requirements Engineering” (NLP4RE), Essen, Germany, April 2021.

PROJECTS

XIVT - eXcellence in Variant Testing (MSc STUDENT)

2020-2021

 <https://www.xivt.org/>

Within the XIVT project, a method and toolchain will be defined for testing highly configurable, variant-rich embedded systems in the automotive, rail, telecommunication and industrial production domains. This will enable a highly effective, cost-efficient quality assurance, allowing the shift to autonomous, flexible and adaptive applications. The method is founded on a knowledge-based analysis of requirements formulated in natural language, and a model-based test generation at product-line level. It is expected that XIVT methods will result in higher test coverage, more flexible processes of higher quality and better products.

SKILLS

Programming	Python, Assembly, C, Haskell, Java, PHP, R.
Libraries	Keras, Matplotlib, NLTK, NumPy, Pandas, PyTorch, ScikitLearn, SpaCy.
Databases	MySQL, Neo4j, PostgreSQL.
Development	Eclipse, Jupyter, Sublime Text, git.
Modelling	UML.
Documenting	LaTeX, Pack Office (Word, Excel, PowerPoint).

SPORTS EXPERIENCE

June 2019 September 2017	Minibasket Coach, ESTORIL BASKET CLUBE, Lisbon (Portugal) <ul style="list-style-type: none">> Head coach of Under 8, Under 10 and Under 12 teams.> Classes and games oriented in Portuguese.
June 2019 September 2018	Youth Basketball Head Coach, ST. DOMINIC'S INTERNATIONAL SCHOOL, Lisbon (Portugal) <ul style="list-style-type: none">> Basketball Head Coach of Division 5 and Division 4 teams, Boys & Girls.> Classes and games oriented in English.
June 2018 September 2010	Basketball Player, ESTORIL BASKET CLUBE, Lisbon (Portugal) <ul style="list-style-type: none">> Team Captain of the Under 18 and Under 22 teams.

CERTIFICATIONS

2017	Grade I Basketball Coach Certification / Associação de Basquetebol de Lisboa, Lisbon (Portugal) / Final Grade : 16 (sixteen), credited from IPDJ (Instituto Português do Desporto e Juventude) / Internship done in collaboration with Estoril Basket Clube, during the 2017/18 season.
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LANGUAGES

Portuguese, English

INTERESTS

SPORTS :	Tennis, Basketball, Football
MIND GAMES :	Chess
HOBBIES :	Cooking, Running