Rodrigo Lousada

Computer Science MSc Finalist @ IST, University of Lisbon
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EDUCATION

IST, UNIVERSITY OF LISBON
2017 to 2020 | Lisbon, Portugal
MSc. in Information Systems and Computer Engineering
(Specialization in AI)
GPA: 17/20

TU BERLIN
March to Aug 2018 | Berlin, Germany
Exchange Semester, Spring 2018

HUMBOLDT UNIVERSITY
Jun 2018 | Berlin, Germany
Scientific Writing Course

IST, UNIVERSITY OF LISBON
2014 to 2017 | Lisbon, Portugal
BSc. in Computer Science and Engineering
GPA: 16/20

AESE BUSINESS SCHOOL
Summer 2016 | Lisbon, Portugal
Business and Management Summer School

COURSEWORK

INFORMATION SYSTEMS AND COMPUTER ENGINEERING
Python for Machine Learning
Data Science
Natural Language Processing
AI for Games
Information Processing and Retrieval
Data Integration
Information Visualization

BUSINESS AND MANAGEMENT
Organizational Politics
Marketing and Commercial Policy
Operations, Technology, and Innovation
Accounting and Finance

SKILLS

LANGUAGES
Portuguese (Native)
English (Advanced)
Spanish (Basic)
German (Basic)

TOOLS
Python, Java, SQL, Prolog
C, C++, C#, Common Lisp,
JavaScript, HTML & CSS,
Pentaho, UML, D3.js, BPMN

HOBBIES

Traveling | Basketball
TV Shows | Coding
Guitar, Vocals & Piano

WORK EXPERIENCE

COGNITIVE CONSULTANT | IBM/SOFTINSA
April 2020 - Present | IBM Portugal
Working alongside the Cognitive Care Services and Data Analytics teams. A technical IBM Cognitive Consultant (contract with SoftINSA). Worked with current and prospective clients such as Banco Montepio, Glintt, Bankinter, TAP, EDP, etc.

RESEARCH PROJECT

USING AI TO TRADE IN FINANCIAL MARKETS | MSc Thesis
Sept 2018 - October 2020 | GPA:18/20 | IST, University of Lisbon
Developed an AI portfolio manager, to maximize the profit and minimize risk of investment. Strategy based on Technical Analysis, and advanced Machine Learning. Title: "Mixture of Random Forest Experts in Options Portfolio Management"

CURRICULAR PROJECTS

DATA SCIENCE | IST
Supervised exploration by training classification models through KNN, Naïve Bayes, Decision Tress, and Neural Networks, applied to two datasets.

INFORMATION PROCESSING AND RETRIEVAL | IST
Developed a solution for automatic document summarization of the TeMário dataset, exploring NLTK platform. Used Tf-idf, BM25, MMR, SVMs and PageRank.

DATA INTEGRATION | TU Berlin
Coded 3 python solutions to solve Data Integration problems like schema matching, data cleaning and duplicate detection.

POSITIONS OF RESPONSIBILITY

SINFO (TECH CONFERENCE) | Volunteer Coordinator
April 2016 - March 2019 | Lisbon, Portugal
- Recruited new members and coordinated the different divisions, improving the previous work, and contributing with new ideas for a better conference.
- Contacted over 50 international personalities from fields such as Animation, Cyber-Security and Artificial Intelligence, to speak at SINFO's keynotes panel.
- Established partnerships with recruiting tech companies, generating funding to allow the non-profit event to be free for everyone.
- Explored different ways to grow our followers' engagement, creating SINFO's original rubrics like Programmer Jokes, Tag A Friend and Speakers Feedback.

CODER DOJO LX | Volunteer Mentor
March 2016 – September 2017 | Lisbon, Portugal
- Taught Python programming to kids from 7 to 17 years old, with a Raspberry Pi application. Guided youngsters through the introduction to programming, using Scratch.

X-TRAVEL | Public Relationships
October 2013 – March 2014 | Oeiras, Portugal & Calpe, Spain
- Promoted high-school finalist trip to Calpe Festival Village at 3 local high schools. Signed 34 finalists which generated around 17.000 € to the company.

ACHIEVEMENTS AND AWARDS

2017   Winner of Semester Scholarship on the 1st Open Day @ Aubay Portugal
2015   1st Round Winner & Best Of Class Finalist @ IST Management Challenge

PUBLICATIONS

2019   Visual Mapping of Nobel Prizes @ EuroVisPosters2019