

# Rodrigo Lousada

Computer Science MSc Finalist @ IST, University of Lisbon  
31st March 1996 | rodrigo.m.lousada@gmail.com | rodrigolousada.me | +351 911 184 298

## EDUCATION

### IST, UNIVERSITY OF LISBON

Expected May 2020 | Lisbon, Portugal  
MSc. in Information Systems and  
Computer Engineering  
(Specialization in AI)

### 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  
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

## SUMMARY

I am currently finishing my Masters in Information Systems and Computer Engineering in Lisbon. I am very motivated to find a challenging job in Data Science or Research where I can apply my knowledge and develop my skills. I am available to relocate.

## RESEARCH PROJECT

### USING AI TO TRADE IN FINANCIAL MARKETS | MSc THESIS

Sept 2018 - Present | IST, University of Lisbon  
Developing an AI strategy manager, based on technical analysis, for Options trading. This research aims to increase the ROI, in a trading simulation, with the minimum risk.

## 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