**WORK EXPERIENCE**

1 JUL 2018 – 1 SEP 2018 Lisbon, Portugal
INTERNSHIP AS JUNIOR RESEARCHER PRIBERAM

1 JUL 2018 – 31 DEC 2018 Lisbon, Portugal
JUNIOR RESEARCHER INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES - INVESTIGAÇÃO E DESENVOLVIMENTO

15 JAN 2019 – 22 APR 2019 Tokyo, Japan
VISITING JUNIOR RESEARCHER NATIONAL INSTITUTE OF INFORMATICS

1 MAR 2019 – 1 SEP 2019 Lisbon, Portugal
JUNIOR RESEARCHER INSTITUTO DE ENGENHARIA DE SISTEMAS E COMPUTADORES - INVESTIGAÇÃO E DESENVOLVIMENTO

**EDUCATION AND TRAINING**

15 SEP 2013 – 15 JUL 2016 Lisbon, Portugal
B.SC. IN INFORMATION SYSTEMS AND COMPUTER ENGINEERING Instituto Superior Técnico, University of Lisbon

National classification 15/20

15 SEP 2016 – 31 OCT 2018 Lisbon, Portugal
M.SC. IN INFORMATION SYSTEMS AND COMPUTER ENGINEERING Instituto Superior Técnico, University of Lisbon

- Intelligent Systems and Software Engineering
- M.Sc. Thesis: Detecting Fake News Using Deep Neural Networks (19/20)

National classification 18/20

14 JUN 2018 – 21 JUN 2018 Lisbon, Portugal
PARTICIPATION IN THE 8TH LISBON MACHINE LEARNING SCHOOL (LXMLS) Instituto Superior Técnico, University of Lisbon

1 SEP 2019 – CURRENT Lisbon/Pittsburgh
PH.D. IN LANGUAGE AND INFORMATION TECHNOLOGIES Instituto Superior Técnico and Carnegie Mellon University

**LANGUAGE SKILLS**

Mother tongue(s): PORTUGUESE
Other language(s):

| UNDERSTANDING     | SPEAKING         | WRITING |
|-------------------|------------------|---------|
| Listening         | Reading          | Spoken production | Spoken interaction |
| ENGLISH           | C1               | B2      | B2      | C1      |

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

- **PUBLICATIONS**

  2019  
  *Combining Similarity Features and Deep Representation Learning for Stance Detection in the Context of Checking Fake News*  
  Luís Borges, Bruno Martins, Pável Calado. ACM Journal of Data and Information Quality, volume 11, no. 3.

  2021  
  *Assessing the Benefits of Model Ensembles in Neural Re-ranking for Passage Retrieval*  
  Luís Borges, Bruno Martins, Jamie Callan. European Conference on Information Retrieval (ECIR).

  2023  
  *KALE: Using a K-Sparse Projector for Lexical Expansion*  
  Luís Borges, Bruno Martins, Jamie Callan. ACM SIGIR International Conference on Theory of Information Retrieval (ICTIR).

  2023  
  *Team CMU-LTI at TREC 2023 Tip-of-the-Tongue Track*  
  Luís Borges, Jamie Callan, Bruno Martins. Text Retrieval Conference (TREC).

  2024  
  *Generalizable Tip-of-the-Tongue Retrieval with LLM Re-ranking*  
  Luís Borges, Rohan Jha, Jamie Callan, Bruno Martins. ACM SIGIR Conference on Research and Development in Information Retrieval (SIGIR).

- **JOB-RELATED SKILLS**

  Job-related skills

  - Software Engineering
  - Deep Learning and Machine Learning
  - PyTorch, Tensorflow, Keras
  - Information Extraction and Retrieval
  - Python, C, C++, Java, MATLAB
  - Project Management

- **DRIVING LICENCE**

  Driving Licence: B