Joana de Matos Ribeiro

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EDUCATION

Instituto Superior Técnico, University of Lisbon   **July, 2024**
M.Sc. Mathematics and Applications   *Lisbon, Portugal*
- Dissertation Title: Multiple Boundary Control of Elliptic Problems
- Advisors: Dr. Jorge Tiago and Dr. Irene Marín-Gayte

University of Edinburgh   **March, 2020**
M.Phil. Informatics   *Edinburgh, Scotland*
- Dissertation Title: String Transduction as Sequence Labelling
- Advisors: Dr. Shay Cohen and Dr. Adam Lopez

Instituto Superior Técnico, University of Lisbon   **July, 2014**
B.Sc. Applied Mathematics and Computation   *Lisbon, Portugal*
- Final Project: Coreference Resolution using Learned Based Java
- Advisors: Dr. Alan Black, and Dr. Luisa Coheur

RELEVANT EXPERIENCE

Instructor of Mathematics   **August 2025 - Present**
Midwestern State University - Texas   *Wichita Falls, Texas, USA*
- Currently teaching Beginning Algebra (Math 0003), Contemporary Mathematics (Math 1053) and the corresponding Co-requisite Developmental Supplement (Math 0053)

Higher Education Private Tutor   **October 2020 - June 2025**
Pi R Quadrado Tutoring Center (Freelance Contractor)   *Lisbon, Portugal*
- Worked one-on-one with dozens of students across a range of university-level STEM courses including in core mathematical subjects like Linear Algebra, Analytic Geometry, Number Theory, and Discrete Mathematics, as well as foundational courses in Computer Science like Computational Mathematics, Graph Theory, Machine Learning/Artificial Intelligence, and Python and Matlab programming
- Tailored lesson plans to accommodate individual learning styles and different academic backgrounds, including applications to Geology and Architecture

Teaching Support Provider   **Spring 2017 - Fall 2018**
University of Edinburgh   *Edinburgh, Scotland*
- Provided academic support to groups of students in a classroom setting, helping with their understanding of homework exercises and the application of concepts learnt in class
- Clarified difficult material and guided students through the mathematical reasoning of problem solving methods
- Graded coursework and student led research projects, offering targeted feedback to support student improvement and foster deeper understanding of the subject matter
- Collaborated with course instructors and other teaching staff in order to maintain consistency in instruction and assessment standards

Visiting Student, School of Computer Science   **Fall 2011**
Carnegie Mellon University   *Pittsburgh, Pennsylvania, USA*

- Observed and was exposed to different teaching methods while auditing and sitting in several courses both in Mathematics and Computer Science related subjects

PUBLICATIONS

- Joana Ribeiro, Shashi Narayan, Shay B. Cohen, and Xavier Carreras, *Local String Transduction as Sequence Labelling.* in Proceedings of the 27th International Conference on Computational Linguistics. 2018: 1360-1371
- Ângela Costa, Tiago Luís, Joana Ribeiro, Ana Cristina Mendes, Luisa Coheur, *An English-Portuguese parallel corpus of questions: translation guidelines and application in SMT.* LREC 2012: 2172-2176

SKILLS

- **Programming Languages:** Python, Wolfram Mathematica, and Matlab (some experience)
- **Spoken Languages:** Portuguese (native), English (fluent), French (proficient)