MARGARIDA FERREIRA

Curriculum Vitae

June 2021

PERSONAL DETAILS

Nationality	Portuguese
Phone	(+351) 966 650 596
E-Mail	margaridaacferreira@tecnico.ulisboa.pt
Github	https://github.com/marghrid

EDUCATION

PhD. Computer Science
2021 – now

Carnegie Mellon University & Instituto Superior Técnico, University of Lisbon

Dual Degree PhD program by CMU Portugal.

MSc. Computer Science and Engineering
2018 – 2020

Instituto Superior Técnico, University of Lisbon

GPA: 17.3/20 (87%). **Specializations**: Artificial Intelligence, Algorithms and Programming. Maximum grade (20/20) on Algorithms for Computational Logic. **Master Thesis**: FOREST*: An Interactive Multi-tree Synthesizer for Regular Expressions*, under supervision of Professor Inês Lynce and Dr. Miguel Neves.

Erasmus+ Exchange Year, MSc. Informatics
2018 – 2019

Technical University of Munich

GPA: 2.29 (79%). Coursework in Artificial Intelligence, Natural Language Processing, Algorithms, Game Theory, Robotics, and Parallel Programming.

BSc. Computer Science and Engineering
2015 – 2018

Instituto Superior Técnico, University of Lisbon

GPA: 18.2/20.0 (91%). Maximum grade (20/20) on Discrete Mathematics, Object-oriented Programming and Artificial Intelligence.

PUBLICATIONS

FOREST: An Interactive Multi-tree Synthesizer for Regular Expressions. M. Ferreira, M. Terra-Neves, M. Ventura, I. Lynce, and R. Martins. TACAS 2021.

EXPERIENCE

Teaching Assistant
2020 – now

Instituto Superior Técnico, University of Lisbon

- Fall 20/21: Artificial Intelligence, BSc. Computer Science and Engineering.
- Spring 20/21: Introduction to Algorithms and Data Structures, BSc. Computer Science and Engineering.

Early Stage Researcher
2020 – now

INESC-ID

Research Group: Automated Reasoning and Software Reliability (ARSR). Project: Automated Programming to Revolutionize App Development (GOLEM).

Research Internship
2019 – 2020

OutSystems

Department of Engineering, division of Artificial Intelligence. Working on Master Thesis topic, under the supervision of Dr. Miguel Neves and Miguel Ventura.

Research Scholarship
2017 – 2018

Calouste Gulbenkian Foundation, New Talents in Artificial Intelligence Grant

Project: *Satisfying Cooperative Path-finding*, developed under the guidance of Professor Inês Lynce. I studied and evaluated SAT-based methods to find an optimal solution for Cooperative Path-Finding.

SCHOLARSHIPS

Dual Degree PhD Scholarship
2021 – 2026

CMU Portugal Program

GOLEM Scholarship
2020 – 2021

INESC-ID, CMU Portugal Program

Visiting Students Program (suspended due to COVID-19)
2020

CMU Portugal Program

Erasmus+ Scholarship at Technical University of Munich
2018 – 2019

Erasmus Program

New Talents in Artificial Intelligence Scholarship
2017 – 2018

Calouste Gulbenkian Foundation

Honors

Academic Excellence Certificates in all 3 years of BSc. and last year of MSc. Degree.
Instituto Superior Técnico, University of Lisbon

2016–2018, 2020

Other Activities

Mathematics Winter School
Instituto Superior Técnico

Feb. 2021

Autumn school on Combinatorial Optimization, Constraint Programming and Machine Learning
Association for Constraint Programming (ACP), French National Centre for Scientific Research (CNRS)

Nov. 2020

Teaching STEM Students Workshop
Academic Development Office, Instituto Superior Técnico

Oct. 2020

Mathematics Winter School
Instituto Superior Técnico

Feb. 2020

Emerging Trends in Computer Science: Pre-doctoral Research School
Cornell University, Maryland University, Max Planck Institute for Software Systems

Aug. 2018

Advanced School on Data Science for Big Data
Portuguese Association for Artificial Intelligence

Jul. 2018

Search Inside Yourself Formation
Calouste Gulbenkian Foundation

Mar. 2018

Languages

Portuguese: ●●●●●   English: ●●●●◐   German: ●●○○○○

French: ●●○○○○   Spanish: ●●○○○○   Japanese: ◐○○○○○

Exams: *TOEFL iBT*: 118/120, Oct. 2020. *IELTS*: 8.5/9.0, Feb. 2018.