



MANUEL MARTINS

PhD Researcher

 22 December 1993

 Porto, Portugal

Profile

Abstract thinker
Quick learner
Effective communicator
Team worker
Cheerful and international
Mag andere neugierige Leute

Reach me

 +351 91 947 3307
 manueljrscm@gmail.com
 manueljrscm
 github.com/manueljrscm

Languages

Portuguese

English

German

Spanish

French

About me

I am a mathematician moving from academia to industry. I have done research in pure maths, also programming (mostly Python) and teaching/tutoring. I have been living abroad for 7 years and now I am back in Portugal ready to fly to new heights.

I love being challenged and sharing what I learn with my peers. I can be competitive but I also take pride in helping others thrive. Empathy, curiosity and wit are some of the traits I value the most.

Interests: Machine learning, recursion, algorithm design.

Education

Technische Universität Dresden, Ph.D. Mathematics 2017-2024

Field: Quantum algebraic geometry. Publications: 1. Invited talks: 5. Supplementary coursework in applied maths: Risk Theory and Modelling, Scientific Computing in C++, Object Oriented Programming in Java.

Universidade do Porto, M.Sc. Mathematics 2014-2016

Dissertation "Hopf Algebras and Ore Extensions". Grade 18/20. Erasmus, VU Amsterdam, Netherlands, Jan - Jul 2015.

Universidade do Porto, B.Sc. Mathematics 2011-2014

Awarded 6 prizes, incl. highest classification in the class of 2014. Grade 19/20.

Experience

PhD Researcher TU Dresden, FCT 2017-2020

Was member of a research team, teaching assistant in Differential Geometry. Formally employed by the university (6 months), then being awarded a full PhD scholarship (additional 3 years).

Research Scholar Fundação Calouste Gulbenkian, CMUP 2012-2014, 2016

Awarded two yearly introduction-to-research grants *Novos Talentos em Matemática*. 1 publication. 2 summer schools. 2 yearly reports and presentations. 1 three-month research grant in Algebraic Geometry in Fall 2016.

Tutor, monitor, volunteer Private, U. Porto, AIMS Ghana 2012-2023

Tutored several high school and university students in preparation for exams. Reviewed master theses. Was a monitor during summer schools for highschoolers in Sep 2012 and Sep 2013. Was a course assistant at the African Institute of Mathematical Sciences in Feb 2018.

Skills

Abstract Mathematics

Python

Matlab

Pandas, TensorFlow, SQL

C++, Java

During my PhD I wrote an algebraic symbolic calculator in Python to automate computations in noncommutative algebras.

Experienced Git and Latex user. Knowledge of MS Office and collaboration software.

Knowledge of Pandas and TensorFlow, currently learning SQL.

Additional Info

Besides mathematics, I enjoy history, world building, video and board games, progressive rock and metal, especially when shared with others. And nothing like a good cup of coffee.