


MANUEL MARTINS

PhD Candidate

 22 December 1993

 Porto, Portugal

Profile

Abstract thinker

Quick learner


Effective communicator

Team worker


Cheerful and international

Mag andere neugierige Leute

Reach me

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Languages

Portuguese

English

German

Spanish

French

About me

I am a mathematician transitioning from academia to industry. I have done research, programming, tutoring and lived abroad 7+ years (Germany and Netherlands), now it is time to try something new close to home.

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

Interests: Machine-learning, recursive programming, algorithm design.

Education

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

Topic: Quantum groups acting transitively on singular curves.

1 publication. 5 invited talks. Supplementary coursework in ap-

plied 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

Research Assistant, PhD Scholar TU Dresden, FCT 2017-2020

Research, seminar participation, teaching assistant in Differen-

tial Geometry. Formally employed by the university before being

awarded a full PhD scholarship by FCT.

Research Scholar Fundação Calouste Gulbenkian, CMUP 2012-2014,

Awarded introduction-to-research grants *Novos Talentos em* 2016

Matemática for two consecutive years. 1 publication. 2 sum-

mer 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

Several highschool and university students in preparation for ex-

ams or thesis revision. Monitor during summer schools with

highschool students in Sep 2012 and Sep 2013. Course assistant

at the African Institute of Mathematical Sciences in Feb 2018.

Skills

Abstract Mathematics

Python

Matlab

Java

C++

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

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

Currently learning SQL and implementations of machine-learning.

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.