

# **MANUEL MARTINS**

PhD Candidate

繭

22 December 1993



Porto, Portugal

### Profile

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

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## Languages

Portuguese	
English	
German	
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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 Quantum groups acting transitively on singular curves. 1 publication. 5 invited talks. 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 classfication in the class of 2014. Grade 19/20.

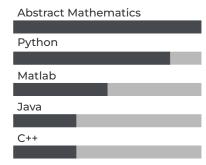
## **Experience**

Research Assistant, PhD Scholar TU Dresden, FCT 2017-2020 Research, seminar participation, teaching assistant in Differential 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 Matemática for two consecutive years. 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 Several highschool and university students in preparation for exams 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



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

2016

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.