


# 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, also lived abroad 7+ years (Germany, Netherlands), learned other cultures and ways of thinking, now it is time to try something new close to home.

I love being challenged and sharing what I learn. 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-  
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 classification in the class of 2014. Grade 19/20.

## Experience

**Research Assistant** TU Dresden 2017  
Research, seminar participation, teaching assistant in Differential Geometry. Formally employed by the university before being awarded a full PhD scholarship.

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

**Tutoring, Monitor** Private, U. Porto 2012-2023  
Several highschool and university students in preparation for exams or thesis revision. Monitor during summer schools with highschool students in Sep 2011 and Sep 2013.

## 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, heavy music, bonus points when these things are combined. And nothing like a good cup of coffee.