


# 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

 +351 91 947 3307

 manueljrscm@gmail.com

 manueljrscm

 github.com/manueljrscm

## 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  
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, 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, 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.

**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

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.