

# Rui Pedro Mendonça Martins

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Date of Birth: 06/10/1998    Nationality: Portuguese  
Gender: Male    Phone: +351 92 747 23 24

**Soft Skills**      Analytical, Assertive, Risk-averse, Detailed-Oriented, Adaptable, Multitasker  
Independent, Good Communication, Direct, Curious, Team Player, Problem-Solver.

**Interests**      Mathematical Finance, Actuary Science, Econometrics, Statistics,  
Data Science, Programing, Machine Learning, Artificial Inteligence.

**Education**      **Swiss Federal Institute of Technology Zurich**  
2019-2021: Msc Mathematics 5.8/6 Score.

**Mathematics Institute of Warwick University**  
2018-2019: Undergraduate Erasmus+.

**Faculty of Sciences of Lisbon University**  
2016-2019: Bsc Mathematics 19/20 Score, 2nd Best Mathematics Undegraduate  
Completed the advanced versions of 1st and 2nd year

**Agrupamento de Escolas Ibn Mucana**  
2013-2016: High school degree.  
Exchange programmes in Poland, Greece, Eslovenia and Italy.

**Research and Fellowships**    **New Talents in Mathematics Scholarship**  
2017-2018: Mathematical research project.  
Supported by the Calouste Gunbenkian Foundation.  
Title: "Relations between Supercharacter Theories and Bose-Mesner Algebras"  
Supervised by Dr. Carlos André,  
Professor at the Faculty of Science at Lisbon University.

**CMAFcIO Scholarship**  
2018: Mathematical research project.  
Supported by the center of Mathematics, Fundamental Aplications  
and Operational Research Foundation.  
Research topic on: The Periodic Predator-Prey Lotka Volterra Model  
Supervised by Dr. Carlota Gonçalves,  
Professor at the Faculty of Science at Lisbon University.

Work Experience	<b>Swiss Federal Institute of Technology Zurich</b> 2020-2021: Student Research assistant, at the Chair of Macroeconomics: Innovation and Policy. Supervisor: Prof. Dr. Hans Gersbach.
	<b>Swiss Federal Institute of Technology Zurich</b> 2020-2021: Teaching Assistant, course Complex Analysis 2020/2021.
	<b>Faculty of Sciences of Lisbon University</b> 2020: LaTeX editor and proofreader for Prof. Dr. Gracinda Cunha's book "Anéis e Campos" an undergraduate introductory book on Ring and Field Theory.
	<b>The Encyclopedia of Mathematics</b> 2020: LaTeX editor.
	<b>Cultura Social by Cascais Jovem</b> 2016: Volunteering for the MIMAR foundation, consisting in taking care of children unable to live with their families due to legal, financial or medical reasons, ranging the age of 0 to 6 years old.
	<b>Natura Observa by Cascais Jovem</b> 2015: Volunteering, consisting in conservation of a nursery for native species, at Sintra's Mountain.
	<b>Cultura Social by Cascais Jovem</b> 2014: Volunteering, consisting in Cleaning and providing civil service for the district of Cascais.
Awards	<b>Faculty of Sciences of Lisbon University</b> 2019: Diploma of Academic Merit 2018: Faculty of Sciences of Lisbon University Honorable Mention 2018: Diploma of Academic Merit
Languages and Skills	Portuguese (native), Spanish (B1), German (A2) and English (C1), IELTS and Cambridge Advanced English Certificates.  Proficiency in MS Office (Word, Power Point, Excel), MiKTeX LaTeX.  Experience in Python, Octave, R, SQL, HTML, CSS. Familiar with web programming with Flask and Django. Familiar with server configuration with Apache2, mod_wsgi and Let's Encrypt. Git Hub profile: RPMMartins.
References	Prof. Hans Gerbach, ETH Zurich, Chair of Macroeconomics: Innovation and Policy, Phone: +41 44 632 82 80 email: hgersbach@ethz.ch.
Various	Music: I have been playing the electric guitar and electric bass, for 6 years now, mainly in Jazz, Blues and Rock and Roll.