

# Rodrigo Marques

☎ +351 914 398 959 • ✉ rodrigo.marques@fc.up.pt • in rodrigo-marques2  
🌐 marques-rodrigo • 🆔 0000-0003-2492-0197

## Research Interests

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Programming Languages, Type Systems, Logic, Semantics.

## Education

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2019 – 2023 MSc Computer Science (Reliable Computing), University of Porto

2016 – 2019 BSc Computer Science, University of Porto

## Experience

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2023 – curr Invited Assistant (University Teacher), University of Porto

2021 – 2022 Gameplay Programmer, NORTHWIND

## Teaching

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Fall 2023 Introduction to Programming (CC1024)  
Programming Fundamentals (L.EIC003)

Spring 2024 Functional Programming (CC1005)  
Programming (L.EIC009)

## Dissertation

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MSc **Subtyping: Study and Implementation**  
*Studying the combination of algebraic subtyping with row polymorphism and type inference algorithms for this system*

## Publications

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Draft **A Lazy Abstract Machine for a Tracing Interpreter**  
Pedro Vasconcelos, **Rodrigo Marques**

IFL 2023 **A Lazy Abstract Machine Based on a Pattern-Matching Calculus**  
Pedro Vasconcelos, **Rodrigo Marques**  
35th Symposium on Implementation and Application of Functional Languages

## Presentations

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ML 2022 **Towards Algebraic Subtyping for Extensible Records**  
**Rodrigo Marques**, Mário Florido, Pedro Vasconcelos  
Presented at: ML Workshop at the International Conference on Functional Programming