

Rodrigo Marques

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Research Interests

Programming Languages, Type Systems, Logic, Semantics.

Education

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

2016 – 2019 BSc Computer Science, University of Porto

Experience

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

2021 – 2022 Gameplay Programmer, NORTHWIND

Teaching

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

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

Dissertation

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

Publications

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

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