

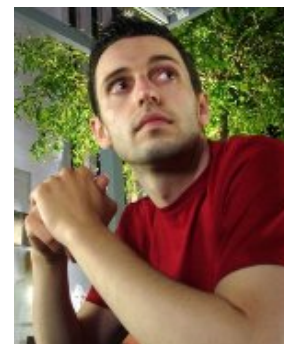


Europass Curriculum Vitae

Personal information

Surname / First names **MAGALHÃES, José Pedro**
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Website www.dreixel.net

Nationality Portuguese
Date of birth 11-08-1984
Gender Male



Occupational field **Computer Science Researcher / Programmer**

Work experience

Dates From 03/10/2011 to 23/12/2011
Occupation or position held Research intern
Main activities and responsibilities Working on a variety of type-related improvements to GHC, such as a new kind polymorphic core, and the deferral of type errors to runtime errors
Name and address of employer Microsoft Research
Roger Needham Building, 7 J J Thomson Ave, Cambridge CB3 0FB, United Kingdom
Type of business or sector Computer Science Research

Dates From 01/04/2007 to 31/12/2007
Occupation or position held Intern student
Main activities and responsibilities Conversion of existing 2D and stereo content into 3D content—2-dimensional video background reconstruction, with application to the Philips 3DTV project.
Name and address of employer Philips Research
Prof. Holstlaan 4, 5656 AA Eindhoven, The Netherlands
Type of business or sector Research, Image/video processing

Dates From 04/07/2006 to 15/09/2006
Occupation or position held Summer Student
Main activities and responsibilities Development of an online application form for the CERN School of Computing (in Geneva), together with general technical assistance during the School period itself (in Helsinki)
Name and address of employer CERN - European Organization for Nuclear Research
CERN CH-1211 Genève 23, Switzerland
Type of business or sector Experimental Physics

Education and training

Date	April 2012 (expected)
Title of qualification to be awarded	Doctor of Philosophy (PhD)
Principal subjects/occupational skills covered	Datatype-generic programming, functional programming, Haskell.
Name and type of organisation providing education and training	Department of Information and Computing Sciences, Faculty of Science, Utrecht University (the Netherlands)
Date	2007
Title of qualification awarded	Computer Science and Systems Engineering Licentiate (<i>Licenciatura em Engenharia de Sistemas e Informática</i>)
Principal subjects/occupational skills covered	Computer Science, System Administration, Database Management, Programming, Formal Methods, Artificial Intelligence, Graphics Computing.
Name and type of organisation providing education and training	Informatics Department, Minho University (Portugal)
Level in national or international classification	16 (out of 20), 300 ECTS credits.
Dates	2004 to 2005
Title of qualification awarded	European Exchange Program (Erasmus) in Utrecht University, the Netherlands
Principal subjects/occupational skills covered	Language Processing, Generic Programming, Internet Programming, Program Transformation, Network Algorithms, Evolutionary Computing and Advanced Functional Programming.
Name and type of organisation providing education and training	Department of Information and Computing Sciences, Faculty of Science, Utrecht University (the Netherlands)

Personal skills and competences

Mother tongue **Portuguese**

Other languages

Self-assessment
European level ()*

English

Dutch (certified)

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
B2	Basic user	B2	Basic user	B2	Basic user	B2	Basic user	B2	Basic user

(*) *Common European Framework of Reference for Languages*

Social skills and competences

Excellent oral and written communication skills
Adapts and socializes with ease in teamwork environments

Computer skills and competences

Proficient in functional programming, in particular in Haskell and Agda
Programming experience in other languages such as C, C++, Prolog, Java, PHP, and Perl
Experienced with database systems such as Oracle, PostgreSQL, and MySQL
Familiar with both Linux and Windows operating systems
Adapts easily to new programming languages and software

Artistic skills and competences

2001 – Completed Basic Organ studies (5th grade), in Vilar do Paraíso Music School
2004 – Completed Complementary Organ studies (8th grade), certified by Oporto Conservatory, in Vilar do Paraíso Music School, final grade of 17 out of 20

Driving licence

Holder of a Portuguese driving licence, category B

Publications

I list here only a subset of my publications. A detailed list of my publications, talks, and code packages is available on my website: <http://dreixel.net/index.php?content=research>

Brent A. Yorgey, Stephanie Weirich, Julien Cretin, Simon Peyton Jones, Dimitrios Vytiniotis, and José Pedro Magalhães. Giving Haskell a Promotion. In *Proceedings of the 7th ACM SIGPLAN Workshop on Types in Language Design and Implementation (TLDI'12)*, ACM, 2012.

Andres Löb and José Pedro Magalhães. Generic Programming with Indexed Functors. In *Proceedings of the seventh ACM SIGPLAN Workshop on Generic Programming (WGP'11)*, pp. 1–12, ACM, 2011.

José Pedro Magalhães and Johan Jeuring. Generic Programming for Indexed Datatypes. In *Proceedings of the seventh ACM SIGPLAN Workshop on Generic Programming (WGP'11)*, pp. 37–46, ACM, 2011.

José Pedro Magalhães and W. Bas de Haas. Functional Modelling of Musical Harmony: an Experience Report. In *Proceedings of the 16th ACM SIGPLAN International Conference on Functional Programming (ICFP'11)*, pp. 156–162, ACM, 2011.

José Pedro Magalhães, Atze Dijkstra, Johan Jeuring, and Andres Löb. A Generic Deriving Mechanism for Haskell. In *Proceedings of the third ACM Haskell Symposium (Haskell'2010)*, pp. 37–48, ACM, 2010.

José Pedro Magalhães, Stefan Holdermans, Johan Jeuring and Andres Löb. Optimizing Generics Is Easy! In *Proceedings of the 2010 ACM SIGPLAN workshop on Partial Evaluation and Program Manipulation (PEPM'2010)*, pp. 33–42, ACM, 2010.

Johan Jeuring, José Pedro Magalhães and Bastiaan Heeren. Generic Programming for Domain Reasoners. In *Proceedings of the 10th Symposium on Trends in Functional Programming (TFP'2009)*, pp 113–128, Intellect, 2010.

Additional information

2002 – Distinguished by Vilar do Paraíso Township, as a young talent in the Township

2003 – Won the “Helena Sá e Costa prize – Rotary Club Gaia Sul”, awarded to the best student of the Musical School of Vilar do Paraíso in the aforementioned year