

Curriculum Vitae of Juliana Patrícia Vicente Franco

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Gender Female | Date of birth 19 June 1990 | Nationality Portuguese

EDUCATION AND TRAINING:

- February 2014 PhD in Computer Science
– Imperial College London, South Kensington Campus, London SW7 2AZ. United Kingdom.
Present PhD topic: Type systems for correct and efficient memory management.
- September 2011 MSc in Informatics Engineering (specialisation in Software Engineering)
– Faculty of Sciences, University of Lisbon, Lisbon. Portugal.
November 2013 Program: Compiling Techniques, Software Reliability, Software Design, Middleware Technologies, Software Security, Web Applications, Algorithms Design and Analysis, Software Verification and Validation
Master thesis: A concurrent programming language with session types.
- September 2008 Undergraduate degree in Informatics Engineering
– Faculty of Sciences, University of Lisbon, Lisbon (Portugal)
July 2011

WORK EXPERIENCE:

- January 2018 PhD Student/Research Assistant – Imperial College London
– Imperial College London, South Kensington Campus, London SW7 2AZ (UK)
Present Research Assistant/PhD student in the Department of Computing at Imperial College London, supervised by Professor Sophia Drossopoulou.
Grant: EPSRC EP/K011715/1
- October 2017 Research Intern at Microsoft Research Cambridge
– 21 Station Road, Cambridge CB1 2FB. United Kingdom.
December 2017 Internship hosted by Dimitrios Vytiniotis.
- July 2017 PhD Intern at with the V8 team – Google Munich
– Google, Erika-Mann-Straße 33, Munich. Germany.
September 2017 Internship hosted by Benedikt Meurer, with the V8 team.
More about what I've done at <http://goo.gl/N7hwEp> and <https://v8project.blogspot.com/2017/10/lazy-unlinking.html>.
- February 2014 PhD Student/Research Assistant – Imperial College London
– Imperial College London, South Kensington Campus, London SW7 2AZ (UK)
June 2017 Research Assistant/PhD student in the Department of Computing at Imperial College London, supervised by Professor Sophia Drossopoulou.
Grant: European Project UpScale (<https://upscale.project.cwi.nl/>).

- September 2012 – Student Researcher – LaSIGE Group of Software Systems
 – Large-Scale Informatics Systems Laboratory, Informatics Department, at University of Lisbon, Faculty of Sciences, Lisbon (Portugal)
 January 2014
- Student Researcher under supervision of Professor Vasco Vasconcelos.
 Some work I've done here: <http://gloss.di.fc.ul.pt/tryit/SePi>
- Grants:**
- INTERFACES (FCT [CMU-PT/NGN/0044/2008](#)) from 01/09/2012 to 31/12/2012
 MULTICORE (FCT [PTDC/EIA-CCO/122547/2010](#)) from 16/12/2013 to 31/01/2014
- September 2011 – Student/Researcher – NLX Group
 – Natural Language and Speech Group of the Department of Informatics of the University of Lisbon, Faculty of Sciences, Lisbon (Portugal)
 August 2012
- Student Researcher under supervision of Professor Antonio Branco.
Grant: METANET4U - <http://metanet4u.eu/>

PAPERS AND PUBLICATIONS:

- 2018 - [Juliana Franco](#), Sylvan Clebsch, Sophia Drossopoulou, Jan Vitek, and Tobias Wrigstad. Soundness of a Concurrent Collector for Actors. To appear in ESOP'18.
- 2017 - Sylvan Clebsch, [Juliana Franco](#), Sophia Drossopoulou, Albert Yang, Tobias Wrigstad and Jan Vitek. Orca: GC and Type System Co-Design for Actor Languages. OOPSLA'17.
 - [Juliana Franco](#), Martin Hagelin, Tobias Wrigstad, Sophia Drossopoulou, and Susan Eisenbach. You can have it all: Abstraction and good cache Performance. ONWARD!'17.
- 2016 - [Juliana Franco](#), Tobias Wrigstad and Sophia Drossopoulou. Towards Enabling Low-Level Memory Optimisations at the High-Level with Ownership Annotations. IWACO'16.
- 2015 - Sylvan Clebsch, Sebastian Blessing, [Juliana Franco](#) and Sophia Drossopoulou. Ownership and Reference Counting based Garbage Collection in the Actor World. ICCOOLPS'15.
 - [Juliana Franco](#) and Sophia Drossopoulou, Behavioural types for NUMA, PLACES'15.
- 2014 - [Juliana Franco](#), Sophia Drossopoulou and Nobuko Yoshida, Calculating communication costs with Sessions Types and Sizes, ICCSW'14.
- 2013 - [Juliana Franco](#) and Vasco T. Vasconcelos, A concurrent programming language with refined session types, SEFM'13.
 - [Juliana Franco](#), A concurrent programming language with session types, Master Thesis, University of Lisbon, 2013.

ADDITIONAL INFORMATION:

- Selected Talks**
- Invited Tech Talk at Facebook, London (November 2017). *ORCA: GC and Type System Co-Design for Actor Languages.*
 - Invited Tech Talk at Google, Munich (September 2017). *ORCA: GC and Type System Co-Design for Actor Languages.*
 - OOPSLA, Vancouver (October 2017). *ORCA: GC and Type System Co-Design for Actor Languages.*
 - ONWARD, Vancouver (October 2017). *You Can Have it All: Abstraction and Good Cache Performance.*

Languages Portuguese (Native); English (Fluent); Spanish (Basic understanding and spoken levels)