

## PERSONAL INFORMATION

Juliana Franco


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

## WORK EXPERIENCE

01 February 2014 – Present

**PhD Student/Research Assistant – Imperial College London**

Research Assistant/PhD student in the Department of Computing at Imperial College London, supervised by Professor Sophia Drossopoulou and Professor Nobuko Yoshida.

Work in scope of the European Project UpScale (<https://upscale.project.cwi.nl/>)

Imperial College London, South Kensington Campus, London SW7 2AZ (UK)

Mainly working with memory management for actor-based programming languages.

01 September 2012 – 31 January 2014

**Student member of GLOSS - LaSIGE Group of Software Systems**

LaSIGE, Large-Scale Informatics Systems Laboratory, Informatics Department of the University of Lisbon, Faculty of Sciences, Lisbon (Portugal)

I developed a concurrent programming language with refined session types.

SePi programming language - <http://gloss.di.fc.ul.pt/sepi>

01 September 2011 – 31 August 2012

**Member of the researching team**

NLX Group - the Natural Language and Speech Group of the Department of Informatics of the University of Lisbon, Faculty of Sciences., Lisbon (Portugal)

**European Project:**

METANET4U - <http://metanet4u.eu/>

I essentially worked with the grammar for the computational processing of Portuguese language, the LXGram (<http://nlxgroup.di.fc.ul.pt/lxgram/>)

## EDUCATION AND TRAINING

February 2014 – Present

**PhD in Computer Science**

Imperial College London - Imperial College London, South Kensington Campus, London SW7 2AZ

Description above.

September 2011 – November 2013

**Master in Informatics Engineering—specialisation in Software Engineering**

Overall of 17 (0 - 20)

Faculty of Sciences, University of Lisbon, Lisbon (Portugal)

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 – July 2011

**Undergraduate degree in (Informatics Engineering)**

Overall of 14 (0 - 20)

Faculty of Sciences, University of Lisbon, Lisbon (Portugal)

September 2005 – July 2008

## Secondary level of education

15 (0 - 20)

School Henriques Nogueira, Torres Vedras (Portugal)

### PUBLICATIONS

- 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. ICDOOLPS'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, In Behavioural Types, p. 33-42, 2013.  
- Juliana Franco, A concurrent programming language with session types, Master Thesis, University of Lisbon, 2013.

### PERSONAL SKILLS

Mother tongue(s) Portuguese

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C1	C1	C2
Spanish	A2	A2	A1	A1	A1
Certificate of a spanish language course in Cervantes Institute of Lisbon. Grade 9 (0 - 10)					

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user  
Common European Framework of Reference for Languages

Computer skills

#### Programming languages:

Java, C, Haskell, SQL, PHP, Javascript, Android, Erlang, Scala, Pony, Shell script

#### Technologies and frameworks:

Xtext, HTML, CSS, XML, JSON, LaTeX, Eclipse, Junit, Git

#### Operating Systems:

Linux, Mac OS and Windows.

### ADDITIONAL INFORMATION

Service

- Member of NOOL16 Program Committee
- Chair of Imperial College ACM Student Chair 2016-2017
- Athena SWAN PhD rep for the Department of Computing (Imperial College)
- ECOOP'14, ECOOP'15, ECOOP'16, POPL'16, ESOP'15

Conferences (and respective co-located events) attended

Summer Schools

Betty Summer School 2014, School of Formal Methods 2015, Virtual Machines Summer School 2016

Programming Contests

Participation in MIUP'2011 and MIUP'2012 representing the Faculty of Sciences of University of Lisbon, as well as in several TIUPs

MIUP is the most important programming contest in Portugal among Universities and a TIUP is a preparation contest to the MIU