

# Gabriela Cunha Sampaio

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## CONTACT INFORMATION

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## EDUCATION

### **Imperial College London, London, United Kingdom**

PhD. Computer Science, in progress (ends September 2021)  
Title: JavaScript Program Verification  
Supervisor: Philippa Gardner  
Scholarship by: Coordenação de Aperfeiçoamento de Pessoal de Nivel Superior (CAPES)

### **Federal University of Pernambuco (UFPE), Recife, Brazil**

B.Sc. Computer Science, December 2014  
With one year as a visiting student at the University of Kent, UK  
Project: Refactorings for Erlang programs  
Supervisor: Prof. Simon Thompson  
Specialisation in Test Design and Automation, April 2015  
Motorola Residency Programme (see details in Professional Experience)  
MSc. Computer Science, March 2017  
Title: Partially Safe Evolution of Software Product Lines  
Supervisor: Paulo Henrique Monteiro Borba  
Scholarship by: Coordenação de Aperfeiçoamento de Pessoal de Nivel Superior (CAPES)

## PUBLICATIONS

Gabriela Sampaio, Paulo Borba, and Leopoldo Teixeira. Partially Safe Evolution of Software Product Lines, in International Systems and Software Product Line Conference (SPLC 2016)

José Frago Santos, Petar Maksimović, Gabriela Sampaio and Philippa Gardner. JaVerT 2.0: Compositional Symbolic Execution for JavaScript, in Symposium on Principles of Programming Languages (POPL 2019)

Gabriela Sampaio, Paulo Borba, and Leopoldo Teixeira. Partially Safe Evolution of Software Product Lines, in Journal of Systems and Software (JSS 2019)

## PROGRAM COMMITTEES

Conference on Programming Language Design and Implementation (PLDI 20): Artifact Evaluation Committee

VariVolution Workshop (co-located with SPLC 2019): Program Committee

International Systems and Software Product Line Conference (SPLC 2019): Artifact Evaluation Committee

International Systems and Software Product Line Conference (SPLC 2018): Artifact Evaluation Committee

TEACHING  
EXPERIENCE

**Imperial College London:** During my PhD, I have been assisting in two 2nd year courses.

**Models of Computation:** teaching assistant (2017 - ongoing). Activities: lab/tutorial lectures and marking.

**Software Engineering Design:** teaching assistant (2018). Activities: lab/tutorial lectures and marking

**Federal University of Pernambuco (UFPE), Recife, Brazil:** During my undergraduate course, I assisted in two 2nd year courses.

**Software Engineering :** Lead of teaching assistant (2013). Activities: lab/tutorial lectures and marking

**Theoretical Computer Science:** Lead of teaching assistants (2013). Activities: lab/tutorial lectures and marking

PROFESSIONAL  
EXPERIENCE

**Koy**

Web Developer

Summary: at Koy,<sup>1</sup> I worked as a web developer from March 2017 to July 2017. There, I contributed to the development of web systems for law firms. The technology used was AngularJS2, HTML 5, Bootstrap, CSS, Java, Amazon S3, Hibernate and PostgreSQL.

**SUATI**

Software Developer Intern

Summary: at SUATI,<sup>2</sup> I worked as a web developer from September 2012 to July 2013. There, I contributed to the development of web systems. One of them, for instance, was an auction system that allows energy companies to organize auctions to commercialize energy. The technology used was C#, HTML, JavaScript and CSS.

**Motorola Residency Programme**

Test Design and Automation

Summary: I was involved in this program from September 2014 to April 2015. Being inspired in the Medical Residency Programme, this involves both professional and educational activities. During the morning, I had lessons of diverse Software Engineering courses, including Project Management and Planning, Software Quality, Object Oriented Programming with Java and Android, Analysis and Design with UML, and Software Testing, among others. In the afternoons, I was involved with planing, design, automation and execution of tests on Motorola phones still to be released in the market. At the end, as a graduation project, I contributed to the design and implementation of a system that is now used by Motorola Brazil to control the agenda and activities of their employees.

LANGUAGES

Portuguese (native speaker) and English (fluent)

PROGRAMMING

OCaml, Erlang, Java, C#, Javascript, Android

THEOREM PROVER PVS

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<sup>1</sup>[www.koy.com.br](http://www.koy.com.br)

<sup>2</sup>[www.suati.com.br](http://www.suati.com.br)