

Giselle Reis M.Sc.

CONTACT INFORMATION

Institute of Computer Languages
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EDUCATION

Technische Universitt Wien, Vienna, Austria

Ph.D., Theory and Logic group (graduation date: July 2014)

- Cut-elimination by resolution in intuitionistic logic.
- Advisor: Alexander Leitsch

Universidade Federal de Minas Gerais, Belo Horizonte, Minas Gerais, Brazil

M.Sc., Computer Science (graduation date: November 2010)

- Specification of systems using linear logic with subexponentials.
- Advisor: Elaine Gouvêa Pimentel

B.S., Computer Science (graduation date: December 2008)

PROFESSIONAL EXPERIENCE

Google Summer of Code

Student coding for Gnome (evince)

May 2014 to August 2014

- Work on gnome's pdf viewer evince, mainly on the annotation feature.
- Technology used: C, C++, jhbuild, GTK+.

Infosys, Bangalore - India

Internship - InStep Program

December 2010 to March 2011

- Development of a web-based tool for building interface templates for different mobile devices.
- Technology used: JavaScript and JQuery

Inovar Systems, Belo Horizonte, MG - Brazil

Internship

October 2008 to March 2009

- Development and support of the employment web-site [Contratanet](http://Contratanet.com).
- Technology used: C# and asp.net (Windows)

Concert Technologies, Belo Horizonte, MG - Brazil

Internship

September 2007 to September 2008

- Development of a visualization tool for the electric circuit of a city (partnership with Rio de Janeiro's power distribution company).
- Technology used: Java, Oracle database and XML (Linux)

ACADEMIC EXPERIENCE

Technische Universitt Wien, Vienna, Austria

Project Assistant

April 2011 until now

- CERES project.

Centro Universitario UNA, Belo Horizonte, Minas Gerais, Brazil

Teacher

March 2010 until November 2010

- Taught courses on Algorithms and Data Structures and Introduction to Programming, both theoretical and practical, to students of Information Sciences and Engineering.

Universidade Federal de Minas Gerais, Belo Horizonte, Minas Gerais, Brazil

Teacher's Assistant

2009/2010

- Specialization in Informatics: Java Programming and Data Structures
- Teacher: Roberto da Silva Bigonha

Teacher's Assistant

2010

- Computer Science (Bachelor's degree): Artificial Intelligence
- Teacher: José de Siqueira

Undergraduate Researcher

January to December 2008

- Research about logic and proof theory and its relation to programming languages and computability.
- Development of an interpreter for the intuitionistic logic (languages: Prolog and λ -Prolog).
- Advisor: Elaine Gouvêa Pimentel

Undergraduate Researcher

September 2005 to October 2006

- Research in the data mining project Tamandu on the following areas:
 - Web-development (Java, JSP, JavaScript, Apache, CSS).
 - Human-computer interaction.
 - Discovery of frequent patterns (Perl, C).
- Advisors: Wagner Meira Júnior and Raquel Oliveira Prates

PUBLICATIONS

Algorithmic introduction of quantified cuts. Stefan Hetzl, Alexander Leitsch, Giselle Reis, Daniel Weller, [Theoretical Computer Science](#), 2014

Introducing quantified cuts in logic with equality. Stefan Hetzl, Alexander Leitsch, Giselle Reis, Janos Tapolczai and Daniel Weller, [International Joint Conference on Automate Reasoning \(IJCAR\)](#), 2014

Quati: An Automated Tool for Proving Permutation Lemmas. Vivek Nigam, Giselle Reis and Leonardo Lima, [International Joint Conference on Automate Reasoning \(IJCAR\)](#), 2014

Quati: From Linear Logic Specifications to Inference Rules. Vivek Nigam, Giselle Reis and Leonardo Lima, [17th Brazilian Logic Conference \(EBL\)](#), 2014

Algorithmic Introduction of Quantified Cuts (submitted). Stefan Hetzl, Alexander Leitsch, Giselle Reis and Daniel Weller, [Theoretical Computer Science](#), 2013

An Extended Framework for Specifying and Reasoning about Proof Systems (accepted for publication). Vivek Nigam, Elaine Pimentel and Giselle Reis, [Journal of Logic and Computation](#), 2013

Checking Proof Transformations with ASP. Vivek Nigam, Giselle Reis and Leonardo Lima, ICLP 2013 - Technical Communication.

Towards CERes in intuitionistic logic. Alexander Leitsch, Giselle Reis and Bruno W. Paleo, CSL 2012 Proceedings.

Specifying proof systems in linear logic with subexponentials. Vivek Nigam, Elaine Pimentel and Giselle Reis, LSFA 2010, published in ENTCS.

Using Linear Logic with Subexponentials to Implement Logic Interpreters. Giselle Reis and Elaine Pimentel, SBMF 2010.

PROJECTS

SELLF - Linear Logic Framework

GAPT - General Architecture for Proof Transformations

PROGRAMMING CONTESTS

9th place in Catalysts Coding Contest - Linz, Austria, 16 May 2014

21st place in Catalysts Coding Contest - Vienna, Austria, 11 October 2013

11th place in Catalysts Coding Contest - Linz, Austria, 26 April 2013

26th place in the Brazilian programming contest ACM-ICPC - Joinville, SC, Brazil (October/2010)

2nd place in the regional programming contest ACM-ICPC - Varginha, MG, Brazil (September/2010)

Participated in the regional programming contest ACM-ICPC - Varginha, MG, Brazil (September/2009)

Participated in the regional programming contest ACM-ICPC - Juiz de Fora, MG, Brazil (September/2007)

LANGUAGES

Portuguese (fluent), English (fluent), French (intermediate), Spanish (basic), German (basic).