

João Paulo Pizani Flor

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Personal

Born on April 2nd, 1989.

Brazilian Citizen.

Passport number: CZ460656

Blog: <http://joaopizani.hopto.org> (English, Portuguese, German)

Formal Education

B.Sc. Computer Science, Federal University of Santa Catarina, 2011.

Graduation: July, 2011

Thesis: High-Level Synthesis of an Operating System Component in Hardware

Advisor: Prof. Dr. Antônio Augusto Fröhlich

Secondary Education, National Institute of Technology in Santa Catarina (IFSC), 2006.

Continuing Education

Utrecht Summer School in Computer Science, 2011

Full scholarship awarded by the University of Utrecht (Netherlands)

Topic: Applied Functional Programming in Haskell

Course hours: ~80 (3.0 ECTS credits)

Deutschlandkundlicher Winterkurs, Heinrich-Heine Universität Düsseldorf, 2010

Full scholarship awarded by the German Academic Exchange Service (DAAD)

Topic: German language and culture

Course hours: 150

Summer School in Mathematics, Federal University of Santa Catarina, 2008.

Topic: Real Analysis

Course hours: 50

Employment

Research/Embedded Systems Development, Software/Hardware Integration Lab, 2010–2011.

URL: <http://www.lisha.ufsc.br> (English)

Research/Unix System Administration, PET Computação UFSC, 2007–2010.

URL: <http://pet.inf.ufsc.br> (Portuguese)

Languages

Mother tongue: Portuguese

Foreign languages

English	Understands well	speaks well	reads well	writes well
German	Understands well (B2)	speaks well (B1)	reads well (B2)	writes reasonably (B1)
French	Understands reasonably	speaks reasonably	reads reasonably	writes little

Conference Publications and Seminar Presentations

High-level Design and Synthesis of a Resource Scheduler

18th IEEE International Conference on Electronics, Circuits and Systems, Beirut, Lebanon, December, 2011.

Functional Programming and the Haskell Programming Language

2nd Annual Seminar of the PET Computação Group (Portuguese), Federal University of Santa Catarina, October, 2009.

Reconfigurable Computing: Investigating Some Fundamental Concepts

18th Annual National Conference of Scientific Initiation Research (Portuguese), Federal University of Santa Catarina, October, 2008.

Conferences and Workshops Attended

International Free Software Forum, Porto Alegre - RS, Brazil, June 30 – July 2, 2011.

4th Campus Party, São Paulo - SP, Brazil, January 17–22, 2011.

International Free Software Forum, Porto Alegre - RS, Brazil, July 22–25, 2010.

Miscellaneous/Portfolio

B.Sc Thesis: High-level Synthesis of an Operating System component in Hardware

Blog post: <http://joaopizani.hopto.org/en/2011/04/tcc>

Complete report: <http://joaopizani.hopto.org/graduacao/tcc.pdf> (Portuguese)

Haskell Parallel Image Processing: Using the Haskell Repa library for easy parallel array programming

Data-parallel edge detection algorithm implemented in Haskell

Blog post: <http://joaopizani.hopto.org/en/2011/06/haskell-parallel-image-processing>

Great Elegant VHDL Tutorial: A series of blog posts on how to design and test hardware blocks using VHDL, with insights about code readability and maintainability

Episode 0 (preamble): <http://joaopizani.hopto.org/en/2011/05/vhd10>

Episode 1: <http://joaopizani.hopto.org/en/2011/06/vhd11>

Episode 2: <http://joaopizani.hopto.org/en/2011/07/vhd12>

Guitar2MIDI: Play your guitar and get a MIDI stream out of it!

Project developed as a lab assignment for the “Embedded Systems Laboratory” elective course

Blog post: <http://joaopizani.hopto.org/en/2010/07/guitar2midi>

Complete report: <http://www.inf.ufsc.br/~joaopizani/labmicro/projeto> (Portuguese)

Presto!: An esoteric programming language based on music. Scores are programs!

The interpreter is currently being developed by me using Haskell

Website: <http://launchpad.net/presto>

References

Prof. Dr. Antônio Augusto Fröhlich

B.Sc Thesis Advisor – previous employer

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Prof. Dr. Luís Fernando Friedrich

Head of the Department of Computer Science and Statistics – previous advisor at PET

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<http://buscatextual.cnpq.br/buscatextual/visualizacv.jsp?id=K4205460Y4&idiomaExibicao=2>