

- Education**
- PhD Student in Computer Science, 2010, Campinas - SP**
University of Campinas - Unicamp
 - MSc Degree in Computer Science, 2008 - 2010, Campinas - SP**
University of Campinas - Unicamp
 - Bachelor in Computer Science, 2004 - 2008, Goiânia - GO**
Universidade Católica de Goiás - UCG
- Interests** Computer Architecture, Parallel Programming, Virtual Systems, Information Security.
- Research**
- PhD Research, August 2010:**
Virtual machines and software security
Computing Institute (IC) - Unicamp
 - MSc Research, August 2008 - July 2010:**
Power consumption analysis in Transactional Memory Systems
Computing Institute (IC) - Unicamp
 - Undergrad Research Program, July 2007 - July 2008:**
Unlocking the genetic diversity in peanut's wild relatives with genomic and genetic tools
Computing Research Laboratory - UCG
- Work experience**
- Student, Google Summer of Code, 2008, 2009, 2010:**
 - 2010:** Development of a web stamp manager for TuxPaint.
Mentored by: Bruno Dilly - www.tuxpaint.com
 - 2009:** Improvements on Nmap Script API, development of network security scripts.
Mentored by: Gordon "Fyodor" Lyon - <http://nmap.org>
 - 2008:** Development of Security layer libraries for OSSIM's Framework.
Mentored by: Juan Manuel Lorenzo - <http://www.ossim.net>.
 - Web Developer, Redeempresarial, Aug 2006 - Aug 2007**
Development of Web Applications with PHP, Javascript, MySQL, Perl.
 - Monitor Student**
Computer Organization and Assembly Languages, Aug 2009 - Dec 2009 - IC - Unicamp
Networks II, Jan 2007 - Jul 2007 - UCG
Networks I, Aug 2006 - Dec 2008 - UCG
Data Structures I, Aug 2005 - Jul 2006 - UCG
Calculus I, Aug 2004 - Dec 2004 - UCG
- Published Articles**
- ISLPED'10**
Felipe Klein, Alexandro Baldassin, João Moreira, Rodolfo Azevedo, Sandro Rigo. *STM versus Lock-based Systems: An Energy Consumption Perspective*. In *International Symposium on Low Power Electronics and Design 2010 (ISLPED'10)*.
 - RSP2011**
João Moreira, Felipe Klein, Alexandro Baldassin, Paulo Centoducatte, Rodolfo Azevedo, Sandro Rigo. *Using multiple abstraction levels to speedup an MPSoC virtual platform simulator*. In *Rapid System Prototyping 2011 (RSP 2011)*.

Languages

Portuguese, English:

Reading, Writing, Speaking: Fluent

Skills

Programming Languages:

- Object oriented: C++, Python, Java
- Script: Lua, Perl, Bash
- Web oriented: PHP, Javascript
- Structured: C
- Database: SQL Language (MySQL and PostgreSQL)
- Assembly: x86, AVR

Operating Systems:

- Linux, FreeBSD, OpenBSD, Mac OSX and Windows

System Administration:

- Installation, Configuration and Maintenance of Linux environments
- Services: Apache, Samba, BIND, Squid, MySQL, PostgreSQL
- Security: IPTables, Snort

Tools:

- Version Control: SVN, CVS
- Development: GDB, vim, Textmate
- Security: Nmap, Nessus, Metasploit, IDA, Wireshark

Good knowledge about secure programming methods and code auditing, including reverse engineering and fuzzing.

Good knowledge about network security, TCP/IP and penetration testing.

Presentations
in conferences

Low Level Playground, Nov 2008

PCI Rootkits principles

- H2HC, Hackers to Hackers Conference. São Paulo, SP, Brazil.

Bioperl e o seu uso em projetos genoma, Apr 2008

Developing tools for the Genome Project with BioPerl

- FISL, International Free Software Forum, Porto Alegre, RS, Brazil.

Hacking the Big Brother, Nov 2007

Keeping privacy nowadays

- Ekoparty. Buenos Aires, Argentina.
- H2HC, Hackers to Hackers Conference, Brasilia, DF, Brazil

World Wild Worms, Nov 2007

Web Malware principles

- Integration Week, Faculdade Estácio de Sá, Goiânia, GO, Brazil.
- H2HC, Hackers to Hackers Conference. Brasilia, DF, Brazil.