



# Giuliano Mega

<http://www.ime.usp.br/~giuliano>

## PERSONAL INFORMATION

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Full name: Giuliano Mega  
Birth date: November 5<sup>th</sup>, 1981  
Birth location: São Paulo, SP, Brazil  
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## RESEARCH INTERESTS

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Parallel and Distributed Debugging, Middleware Systems, Concurrent Programming, Object-Oriented Design, Programming Languages, Operating Systems

## EDUCATION

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M.S. in Computer Science (March 2004 – current)  
Place: University of São Paulo  
Title: Extensible Symbolic Debugging for Distributed Object Systems  
Advisor: Fabio Kon  
Average course grade: 94,3%

B.S. in Computer Science (March 2000 – November 2003)  
Place: University of São Paulo  
Average course grade: 75,7%

## PROFESSIONAL EXPERIENCE

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**Research Project:** The Global Online Debugger: An Extensible Debugger for Distributed Object Applications (July 2004 – current).

**Place:** University of São Paulo, Brazil

**Site:** <http://god.incubadora.fapesp.br>

**Description:** The Global Online Debugger (GOD) is an open source debugger that aims at being an extensible, portable and above all useful debugging tool for developers of distributed object applications. The GOD works by transporting traditional synchronous-call middleware system abstractions to runtime, enabling the user to see his/her system as a collection of distributed threads. This has a number of distinct advantages, allowing developers to overcome several difficulties that are inherent to synchronous-calls (RPC/RMI style). GOD also supports user activities in other areas, such as automated distributed system instantiation, and automated distributed testing. This project has been awarded a *Google Summer of Code* grant for part of its development (see Awards session).

### CONTACT INFORMATION:

DEPARTMENT OF COMPUTER SCIENCE – DCC  
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**Job:** Part-time freelance developer for NexB (<http://www.nexb.com>) (March 2007 – current)

**Place:** Not applicable (distributed development).

**Description:** Confidential project. Working with a group of ten more people, on porting and revamping a large software system for a large software company.

**Job:** Teaching Assistant at an intermediate-level Object-Oriented Programming course, at University of São Paulo, Brazil (1<sup>st</sup> term of 2005 and 1<sup>st</sup> term of 2006).

**Place:** University of São Paulo

**Description:**

- Developing assignments for effectively conveying good object-oriented practices to 3<sup>rd</sup> year undergraduate students;
- Research and teaching of object-oriented technologies related to Squeak/Smalltalk.

**Job:** Part-time developer and consultant for the Brazilian government (April 2006 – current)

**Place:** Assembléia Legislativa do Estado de São Paulo (<http://www.al.sp.gov.br>)

**Description:**

- Worked on existing and new Lucene-based software solutions for information management and retrieval on assorted application domains.
- Specified software systems, with requirements gathering and prototyping.
- Helped drive the adoption of open-source tools, acting both as solution analyst and instructor.

**Job:** Interfacing with specialized capture hardware (October 2002 – February 2003)

**Place:** Microship LTDA, Brazil

**Description:** In this project I had to help a company migrate its drivers and API from the older Conexant Bt848 chips to the then-newer Bt878. My role consisted of adapting a high-level interface to a new lower-level one.

## **PUBLICATIONS**

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MEGA, G.; KON F. Depurando Sistemas de Objetos Distribuídos da Forma que Gostaríamos. In *Proceedings of the 2006 Brazilian Symposium on Computer Networks (SBRC'06)*. p. 1331-1346. Curitiba, May 2006.

MEGA, G.; KON F. GOD: Um Depurador Simbólico para Sistemas de Objetos Distribuídos. In *Tools Track of the 2005 Brazilian Symposium on Software Engineering (SBES'05)*. p. 1-6. Uberlândia, September 2005.

MEGA, G.; KON. F. Debugging Distributed Object Applications with the Eclipse Platform. In *Proceedings of the 2004 ACM OOPSLA Eclipse Technology eXchange Workshop*. p 47-51. Vancouver, October 2004.

## ENGLISH PROFICIENCY

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### FCE – First Certificate in English, from Cambridge University

Test Date: 1998

Certificate Grade: A

## AWARDS & SCHOLARSHIPS

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- **Google Summer of Code** (May 2006 – August 2006): Awarded a grant from Google through the Eclipse foundation in order to continue development of my Master's project, the Global Online Debugger.
- **CAPES Scholarship** (March 2004 – March 2006): Graduate (Master in Computer Science) research scholarship.
- **Honorable Mention** at the 2004 ACM International Collegiate Programming Contest (Contest within Brazil).

## REFERENCES

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- Prof. Dr. Fabio Kon – [kon@ime.usp.br](mailto:kon@ime.usp.br)
- Prof. Dr. Alfredo Goldman vel Lejbman – [gold@ime.usp.br](mailto:gold@ime.usp.br)
- Prof. Dr. Marco Dimas Gubitoso – [gubi@ime.usp.br](mailto:gubi@ime.usp.br)

## COURSES & GRADES (UNOFFICIAL TRANSCRIPT)

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### Masters

Course	Grade (A, B, C, D or E)
Topics in Computer Science	A
Project and Analysis of Algorithms	B
Distributed Object Systems	A
Advanced Topics in Object-Oriented Programming	A
Advanced Middleware Systems	A
Seminars on Computer Systems	A
Introduction to Scheduling and its Applications	A