

# CURRICULUM VITAE

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## CONTACT

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## EDUCATION

- Since 01/2007 **Ph.D.** student in Computer Engineering at the University of British Columbia, Canada.  
**Project:** *Characterizing and Exploiting Peer Production of Information in Distributed Systems.*  
**Supervisor:** Dr. Matei Ripeanu ([matei@ece.ubc.ca](mailto:matei@ece.ubc.ca))
- 03/2002–04/2004 **MSc.** in Computer Science at the Universidade Federal de Campina Grande, Brazil.  
**Thesis:** *Scheduling Data Intensive Applications in Computational Grids.*  
**Supervisor:** Dr. Walfredo Cirne ([walfredo@dsc.ufcg.edu.br](mailto:walfredo@dsc.ufcg.edu.br))
- 03/1997–03/2002 **BSc.** in Computer Science at the Universidade Federal de Alagoas, Brazil.

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## SELECTED PUBLICATIONS

For a complete list of publications, visit <http://www.ece.ubc.ca/~elizeus>

- Book Chapters
- W. Cirne, F. Brasileiro, D. Paranhos, L. Costa, E. Santos-Neto and C. Osthoff. *Building a User-Level Grid for BoT Applications.* In High Performance Computing: Paradigm and Infrastructure. Chapter 37. L. T. Yang and M. Guo (eds.), John Wiley. 2005.
- Journals
- A. Iamnitchi, M. Ripeanu, E. Santos-Neto, I. Foster. *The Small World of File Sharing.* Submitted to the IEEE Transactions on Parallel and Distributed Systems, 2009.
  - S. Al-Kiswany, A. Garaibhe, E. Santos-Neto, M. Ripeanu. *On GPU's Viability as a Middleware Accelerator.* Cluster Computing Journal, Springer, 2009.
  - N. Andrade, E. Santos-Neto, F. Brasileiro and M. Ripeanu. *Resource Demand and Supply in BitTorrent Content Sharing Communities.* Computer Networks Journal, Vol. 52 (12), Content Distribution Infrastructures for Community Networks, December, 2008.

Conferences and Workshops

- E. Santos-Neto, D. Condon, N. Andrade, A. Iamnitchi, M. Ripeanu. *Individual and Social Behavior in Tagging Systems*. In the 20th ACM Conference on Hypertext and Hypermedia, July 2009.
  - N. Andrade, E. Santos-Neto and F. Brasileiro. *Scalable Resource Annotation in Peer-to-Peer Grids*. In the Proceedings of the 8th International Conference on Peer-to-Peer Systems, September, 2008.
  - E. Santos-Neto, S. Al-Kiswany, N. Andrade, S. Gopalakrishnan and M. Ripeanu. *Enabling Cross-Layer Optimizations in Storage Systems*. IEEE International Symposium on High Performance Distributed Computing (Hot Topics), June, 2008.
  - S. Al-Kiswany, A. Gharaibeh, E. Santos-Neto, G. Yuan and M. Ripeanu. *StoreGPU: Exploiting Graphics Processing Units to Accelerate Distributed Storage Systems*. IEEE International Symposium on High Performance Distributed Computing, June, 2008.
  - E. Santos-Neto, M. Ripeanu and A. Iamnitchi. *Content Reuse and Interest Sharing in Tagging Communities*. AAAI Spring Symposium - Social Information Processing. Stanford, CA, USA. 2008.
  - E. Santos-Neto, M. Ripeanu and A. Iamnitchi. *Tracking User Attention in Collaborative Tagging Communities*. International ACM/IEEE Workshop on Contextualized Attention Metadata. Vancouver, BC, Canada. 2007.
  - E. Santos-Neto, W. Cirne, F. Brasileiro and A. Lima. *Exploiting Replication and Data Reuse to Efficiently Schedule Data-intensive Applications on Grids*. In 10th International Workshop on Job Scheduling Strategies for Parallel Processing. New York, NY, USA. 2004.
  - W. Cirne, D. Paranhos, L. Costa, E. Santos-Neto, F. Brasileiro, J. Sauvé, F. Silva, C. Osthoff and C. Silveira. *Running Bag-of-Tasks Applications on Computational Grids: The MyGrid Approach*. In 32nd International Conference on Parallel Processing, 2003.
- Posters
- E. Santos-Neto and K. Keahey. *To Bid or Not To Bid: A Hybrid Market-Based Resource Allocation Framework*. International ACM/IEEE Conference on Supercomputing, Poster Session. Tampa, FL, USA. 2006.

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## WORKING EXPERIENCE

09/2008–11/2008 **Research Intern**. Microsoft Research, Cambridge, UK (Dr. Thomas Karagiannis and Dr. Milan Vojnovic).

*Overview:* Content dissemination techniques in opportunistic mobile networks. The prototype developed during this internship was selected for demonstration at the Microsoft TechFest'2009.

Since 01/2007 **Research Assistant**. Networked Systems Lab, Electrical and Computer Engineering Department, University of British Columbia, Canada (Dr. Matei Ripeanu).

*Overview:* Characterization of peer production of information in distributed systems.

09/2006–12/2006 **Assistant Researcher**. Distributed Systems Lab, Universidade Federal de Campina Grande, Brazil (Dr. Francisco Brasileiro).

*Overview:* Virtualization techniques in computational grids (OurGrid project – <http://www.ourgrid.org>)

- 06/2006–08/2006 **Research Intern.** Division of Mathematics and Computer Science at the Argonne National Labs, Chicago, USA (Dr. Kate Keahey).  
*Overview:* Market-based resource allocation strategies (Virtual Workspaces project – <http://workspaces.globus.org>).
- 04/2004–06/2005 **Assistant Researcher.** Distributed Systems Lab, Universidade Federal de Campina Grande, Brazil (Dr. Walfredo Cirne).  
*Overview:* Distributed service deployment in computational grids.
- 03/2002–04/2004 **Research Assistant.** Distributed Systems Lab, Universidade Federal de Campina Grande, Brazil (Dr. Walfredo Cirne).  
*Overview:* Scheduling algorithms for data intensive applications running on computational grids.
- 07/1999–03/2002 **Research Assistant.** LOQNL, Universidade Federal de Alagoas, Brazil (Dr. Jandir Hickmann).  
*Overview:* Parallel application development for scientific visualization.
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## TECHNICAL SKILLS

**Programming Languages:** Java, C#, C.

**Data analysis:** R, Octave, Matlab.

**Scripting:** Unix Shell, SQL, Javascript.

**Familiar concepts:** Parallel and network programming, Smart Devices programming (Windows Mobile), MapReduce framework (Hadoop).

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## AWARDS AND SCHOLARSHIPS

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| 2009         | Student Travel Award - Hypertext'2009.                         |
| 2008         | Student Travel Award - USENIX'2008.                            |
| 2007 to 2010 | British Columbia Innovation Council - Research fellowship      |
| 2007 to 2011 | Univ. of British Columbia - Tuition Award                      |
| 2007         | Research in Motion/UBC - Wireless Venture Competition Finalist |
| 2005 to 2006 | Fulbright/CNPq Brazil - Support for PhD Studies                |
| 2003 to 2004 | Hewlett-Packard Brazil - Support for MSc Studies               |
| 2002 to 2003 | CNPq Brazil - MSc Scholarship                                  |
| 1999 to 2002 | CNPq Brazil - Undergrad Scholarship                            |