

## Giovanni Ventorim Comarela

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CITIZENSHIP	Brazilian	
EDUCATION	<b>Boston University</b> , Boston - MA, USA PhD Student, Computer Science, August 2012 - Present <ul style="list-style-type: none"><li>• Advisor: Mark Crovella</li></ul> <b>Federal University of Minas Gerais</b> , Belo Horizonte - MG, Brazil M.S., Computer Science, May 2012 <ul style="list-style-type: none"><li>• Thesis Topic: <i>A study of factors that affect interactions in Twitter</i></li></ul> <b>Federal University of Espírito Santo</b> , Vitória - ES, Brazil B.S., Computer Science, December 2009 Statistics (Incomplete), August 2004 - July 2006	
RESEARCH INTERESTS	Computer Networks, Social networks, Performance Evaluation and Data Mining.	
AWARDS	<b>Dean of Graduate Studies and Research (Federal University of Espírito Santo)</b> <ul style="list-style-type: none"><li>• Best research work among all undergraduate students of Computer Science, Engineering, Math, Statistics and Physics in the Federal University of Espírito Santo. <i>Bootstrap techniques and long-range dependence processes estimation</i> (2008)</li></ul> <b>ACM International Collegiate Programming Contest</b> <ul style="list-style-type: none"><li>• Fourth place (Silver Medal) in the South America - Brazil programming contest. 2008 (Due to this achievement I participated of the World finals of ACM ICPC in Stockholm, Sweden in April of 2009)</li></ul>	
TRAVEL GRANTS	<ul style="list-style-type: none"><li>• ACM SIGCOMM 2016, held in Florianópolis, Brazil.</li><li>• ACM IMC 2015, held in Tokyo, Japan.</li><li>• ACM HT 2012, held in Milwaukee, WI, USA.</li></ul>	
SCHOLARSHIPS	<b>Boston University</b> <ul style="list-style-type: none"><li>• Research Assistant - (August/2012 - Present)</li></ul> <b>CNPq National Science and Technology Foundation, Brazil</b> <ul style="list-style-type: none"><li>• Research Scholarship, Technological and Industrial Development - (May/2012 - August/2012)</li><li>• Research Scholarship, Master Student - (March/2010 - March/2012)</li><li>• Research Scholarship, Scientific Initiation (PIBIC/CNPq) - (July/2005 - June/2006, July/2006 - June/2007, July/2007 - June/2008)</li></ul> <b>Hewlett-Packard - Brazil</b> <ul style="list-style-type: none"><li>• Research project Scholarship (August/2010 - December/2010)</li></ul>	

TEACHING  
EXPERIENCE

**Federal University of Minas Gerais**

- Algorithm and Data Structures. Teaching Assistant. First semester of 2011.

PROFESSIONAL  
EXPERIENCE

**Vale (Mining company)**

- Internship in the Integration Competence Center of the Information Technology department. March/2008 – August/2009.

MAIN  
PUBLICATIONS

- [1] Giovanni Comarela, Evimaria Terzi, and Mark Crovella. Detecting Unusually-Routed ASes: Methods and Applications. In *Proceedings IMC*, pages 445–459. ACM, 2016.
- [2] Giovanni Comarela and Mark Crovella. Identifying and Analyzing High Impact Routing Events with PathMiner. In *Proceedings of IMC*, pages 421–434. ACM, 2014.
- [3] Giovanni Comarela, Gonca Gürsun, and Mark Crovella. Studying Interdomain Routing over Long Timescales. In *Proceedings of IMC*, pages 227–234. ACM, 2013.
- [4] Emanuel Vianna, Giovanni Comarela, Tatiana Pontes, Jussara Almeida, Virgílio Almeida, Kevin Wilkinson, Harumi Kuno, and Umeshwar Dayal. Analytical Performance Models for MapReduce Workloads. *International Journal of Parallel Programming*, 41(4):495–525, 2013.
- [5] Giovanni Comarela, Mark Crovella, Virgilio Almeida, and Fabricio Benevenuto. Understanding Factors That Affect Response Rates in Twitter. In *Proceedings of Hypertext*, pages 123–132. ACM, 2012.
- [6] Gabriel Magno, Giovanni Comarela, Diego Saez-Trumper, Meeyoung Cha, and Virgilio Almeida. New Kid on the Block: Exploring the Google+ Social Graph. In *Proceedings of IMC*, pages 159–170. ACM, 2012.
- [7] Diego Saez-Trumper, Giovanni Comarela, Virgílio Almeida, Ricardo Baeza-Yates, and Fabrício Benevenuto. Finding Trendsetters in Information Networks. In *Proceedings of KDD*, pages 1014–1022. ACM, 2012.
- [8] Evandro Cunha, Gabriel Magno, Giovanni Comarela, Virgilio Almeida, Marcos André Gonçalves, and Fabrício Benevenuto. Analyzing the Dynamic Evolution of Hashtags on Twitter: a Language-based Approach. In *Proceedings of the Workshop on Languages in Social Media*, LSM '11. Association for Computational Linguistics, 2011.
- [9] Emanuel Vianna, Giovanni Comarela, Tatiana Pontes, Jussara Almeida, Virgilio Almeida, Kevin Wilkinson, Harumi Kuno, and Umeshwar Dayal. Modeling the Performance of the Hadoop Online Prototype. In *Computer Architecture and High Performance Computing (SBAC-PAD), 2011 23rd International Symposium on*, 2011.
- [10] Clainer Donadel, Joao Anicio, Marco Fredes, Flavio Varejao, Giovanni Comarela, and Gabriela Perim. A methodology to refine the technical losses calculation from estimates of non-technical losses. In *CIREN 2009. 20th International Conference and Exhibition on Electricity Distribution*, 2009.
- [11] Valdério Reisen, Giovanni Comarela, and Glauro Franco. Log-average Sample Spectral Estimator of the Fractional Parameter in ARFIMA models. In *LAMES - Econometrics and Empirical Economics*, November 2008.