

# Minas Gjoka

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CONTACT INFORMATION	School of Engineering University of California, Irvine Irvine, CA 92697	mobile: +1 949 943 7440 e-mail: minas.gjoka@gmail.com website: <a href="http://www.minasgjoka.com">http://www.minasgjoka.com</a>
EDUCATION	<b>University of California, Irvine</b> <i>Ph.D. in Networked Systems (Computer Science)</i> • Dissertation: “Measurement of Online Social Networks” <i>June 2008 – Dec. 2010</i>	
	<b>University of California, Irvine</b> <i>M.S. in Networked Systems (Computer Science)</i> <i>Sept. 2005 – June 2008</i>	
	<b>Athens University of Economics and Business</b> <i>B.S. in Computer Science</i> <i>Sept. 2000 – Jan. 2005</i>	
COMPUTING SKILLS	Programming Languages: C/C++, Python, PHP, Java, Perl, Matlab, R Web Development: HTML, XML, CSS, Javascript, AJAX, jQuery Operating Systems: GNU/Linux (Debian, Fedora), MS Windows Miscellaneous: databases (MySQL, MS SQL Server), sockets programming (TCP/UDP), multithreading, Bash/Awk scripting, version control (SVN/CVS), Xen virtualization, Modelnet, L <sup>A</sup> T <sub>E</sub> X	
WORK EXPERIENCE	<b>University of California, Irvine</b> <i>Postdoctoral Scholar</i> Inference of network structure and characterization of massive online graphs. <i>March 2011 – June. 2011</i>	
	<i>Research Assistant</i> I have been involved in the following research projects: <ul style="list-style-type: none"><li>• Collection of large datasets from online social networks (Facebook, Last.fm) through distributed crawling. Information spreading and sampling methodologies in large graphs.</li><li>• System design of a practical IP Traceback scheme with network coding.</li><li>• BitTorrent exploits to launch DDoS attacks and proof-of-concept experiments on the Internet.</li><li>• Network tomography mechanisms to infer link loss rates in general topologies with network coding.</li><li>• Comparison of the effectiveness of IPFRR mechanisms in the case of unplanned link/router failures.</li></ul> <i>Sept. 2007 – Dec. 2010</i>	
	<b>Adball LLC</b> <i>Founder</i> Founder of Adball ( <a href="http://www.adball.com">http://www.adball.com</a> ), an online collaboration platform that crowd-sources the concept, content generation, and dissemination of advertising campaigns. Adball won two business plan awards and served ~ 20K unique users during its five month online presence. <i>Jan. 2008 – Apr. 2010</i>	
	<b>CAIDA/UCSD</b> <i>Research Intern</i> Characterization of the sources of invalid traffic received at DNS root servers. Supervised by Dr. KC Claffy. <i>July 2008 – Sept. 2008</i>	
	<b>Telefonica Research</b> <i>Research Intern</i> Built a peer-to-peer Video-on-Demand system that supports forward and backward seeking. Participated in the design and implementation of key mechanisms at the peers and the tracker, and performed experimental	<i>July 2007 – Sept. 2007</i>

testing. Supervised by Dr. Pablo Rodriguez.

### **AT&T Labs Research**

*Research Intern*

*June 2006 – Aug. 2006*

Experimental performance analysis of peer-to-peer (BitTorrent, eMule, Gnutella) and client-server (HTTP, FTP) downloading protocols on Planetlab, a testbed of 500 machines scattered worldwide. Supervised by Dr. Balachander Krishnamurthy.

### **Atos Origin**

*IT Help Desk Supervisor*

*July 2004 – Aug. 2004*

Supervision and coordination of IT technicians and volunteer staff during the 2004 Summer Olympics.

### **Athens University of Economics and Business**

*Undergraduate Dissertation*

*Oct. 2004 – Jan. 2005*

Designed and evaluated synthetic graph models to simulate the Internet at the Autonomous System level. Released topology generator and graph analysis tools. Supervised by Professor Martha Sideri.

*Lab Assistant*

*Sept. 2003 – June 2004*

Part-time system & network administrator in the Computer Science lab.

#### SELECTED PUBLICATIONS (3 OUT OF 12 TOTAL )

M. Gjoka, M. Kurant, C. T. Butts, A. Markopoulou, “Practical Recommendations on Sampling OSN Users by Crawling the Social Graph”, *JSAC Special Issue on Measurement of Internet Topologies*, 2011.

M. Gjoka, C. T. Butts, M. Kurant, A. Markopoulou, “Multigraph Sampling of Online Social Networks”, *JSAC Special Issue on Measurement of Internet Topologies*, 2011.

M. Gjoka, M. Kurant, C. T. Butts, A. Markopoulou, “Walking in Facebook: A Case Study of Unbiased Sampling of OSNs”, In *Proc. of IEEE INFOCOM '10*, San Diego, CA, Mar. 2010.

#### PATENTS

X. Yang, M. Gjoka, P. Rodriguez, P. Chhabra, “Tracker in P2P systems to optimize for DVD functionalities”, European patent, filed in 2009

#### HONORS AND AWARDS

1<sup>st</sup> and 3<sup>rd</sup> place at the hITEC OCTANE and SYCR entrepreneurship competitions with team Adball

Travel grants to attend USENIX ATC '07, GLOBECOM '07, NSDI '08, CoNEXT '10

University of California, Irvine/CPCC Fellowship 2007-2008

University of California, Irvine/Networked Systems Fellowship 2005-2007