

# Claudio Squarcella, Ph.D.<sup>1</sup>

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**KEYWORDS**      **Network visualization, Web development, Network data analysis**

**WORK EXPERIENCE**

*Engineering Manager* since March 2017  
*Frontend Software Engineer* February 2016 - February 2017  
Sysdig, San Francisco, United States of America

- Building **dashboards and container topologies** with Ember.js and D3.js

*Full-stack Software Engineer* September 2014 - February 2016  
ThousandEyes, San Francisco, United States of America

- Developed **network visualizations** with D3.js, Angular.js, SpringMVC

*Contractor* October 2013 - December 2013  
Microsoft Skype Division, Tallinn, Estonia

- Designed and developed an interactive Web interface based on D3.js to simplify the analysis of traffic patterns in **large distributed networks**

*Research Intern* August 2011 - February 2012  
RIPE NCC, Amsterdam, The Netherlands

- Designed and developed a Web app to monitor the service of the **K-root name server** in near real-time

**EDUCATION**

*Postdoctoral Researcher* January 2014 - July 2014  
Nautilus Mediterranean eXchange (NaMeX), Rome, Italy

*PhD in Computer Science and Engineering* 2011 - 2014  
Roma Tre University, Rome, Italy

- Design of interactive interfaces to explore Internet topologies and measurements
- List of publications available at <http://dia.uniroma3.it/~squarcel>

*Visiting Scholar* August 2010 - December 2010  
CAIDA, San Diego, United States of America

*Master **with honors** in Computer Science and Engineering* 2004 - 2010  
Roma Tre University, Rome, Italy

- Thesis work completed at the RIPE NCC (Amsterdam, The Netherlands)

**TECHNICAL SKILLS**

*Visualization and Web development*

- JavaScript frameworks (D3.js, Angular.js, Ember.js, jQuery, Raphael.js, Backbone.js), SVG, Node.js frameworks (Express, Socket.IO), SpringMVC

*Programming Languages*

- **JavaScript**, Java, Bash, Python, C

*Middleware, Frameworks, DBMS*

- MongoDB, MySQL, Apache Hadoop, Apache ActiveMQ, PostgreSQL

**EXTRAS**

*Member of Mensa, the high IQ society* since March 2013  
*Committer at the Apache Software Foundation* since February 2012  
*Guitar & piano player in a post-rock band (The Pillow Factory)* 2006 - 2012

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<sup>1</sup>I consent to treatment of personal data as per Italian State D. Law 196/2003.