

Claudio Squarcella, Ph.D.¹

Website: claudiosquarcella.com

E-mail: cl@udio.me

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

WORK EXPERIENCE *Frontend Software Engineer* since February 2016
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/~squamcel>

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

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