

Claudio Squarcella, Ph.D.¹

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KEYWORDS **Engineering Management, Data Visualization**

WORK EXPERIENCE *Senior Engineering Manager* March 2020 - Present
Engineering Manager March 2017 - February 2020
Frontend Software Engineer February 2016 - February 2017
Sysdig, Rome, Italy

- Managing a **remote-first development team** spread across Europe
- Developing **Prometheus-powered visualizations** with React and D3.js to monitor performance and cost of multi-cloud Kubernetes clusters

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

- Developed traceroute-like **network path visualization** techniques with D3.js, Angular.js, SpringMVC, and state-of-the-art drawing algorithms

EDUCATION AND RESEARCH ACTIVITY *Postdoc Researcher* January 2014 - July 2014
NaMeX (Nautilus Mediterranean eXchange), Rome, Italy

- Analysis of the impact of **Internet eXchange Points** on Internet QoS

PhD in Computer Science and Engineering 2011 - 2014
Master with honors in Computer Science and Engineering 2004 - 2010
Roma Tre University, Rome, Italy

- Design of interactive interfaces to explore Internet topologies and measurements
- Good mix of **theoretical and applied research** in a stellar lab
- Tried a spin-off focused on **mobile internet performance** (it did not fly)
- Publications at <https://compunet.ing.uniroma3.it/#!/people/claudio>

Research Intern October 2013 - December 2013
Microsoft Skype Division, Tallinn, Estonia

- Developed a Web interface to slice and dice **global P2P traffic data**

Research Intern August 2011 - February 2012
Thesis Intern October 2009 - May 2010
RIPE NCC, Amsterdam, The Netherlands

- Developed a Web interface to monitor **K-root root name server** in real-time
- Extended the popular **BGPlay** UI to display historical BGP routing

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

- Developed innovative visualizations for Internet measurements analysis

BEYOND JUST WORK *Former lead guitar and piano of post-rock band The Pillow Factory* 2006 - 2012
I abuse my near-perfect pitch to strum any jingle When the radio/TV is on
I am an avid reader and constantly challenge my beliefs When the radio/TV is off
I am interested in anthropology, languages, politics, personal finance ...and dad jokes
I love road trips off the beaten path Anytime
I disapprove of resumes longer than one page Keep it Short and Simple

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