

Luca Melis

Curriculum Vitae

Computer Science Dept,
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📄 <http://lucamelis.github.io>



Personal Details

Residence London

Country United Kingdom

Education

- July 2006 **Diploma as Accountant and Book-keeper**, *Business High School "A. Maxia" Aritzo*, Italy, mark 100/100.
- April 2010 **Bachelor's Degree in Computer Engineering**, *University of Florence*, mark 110/110 cum laude.
- April 2013 **Master's Degree in Computer Engineering**, *University of Florence*, mark 110/110 cum laude and honorable mention.
- September 2014–Present **PhD in Applied Cryptography**, *University College of London*, London, United Kingdom.

Visits/Internships

- August **EU Erasmus**, AARHUS UNIVERSITY, Aarhus, Denmark.
- 2012–January 2013 Master's thesis preparation under the supervision of Claudio Orlandi and Ivan Damgård; Research on post quantum cryptography.
- September–December 2015 **PhD Intern**, INRIA RHONE ALPES, Grenoble, France.
Working under the supervision of Dr. Claude Castelluccia; Research on Deep Learning applied applied to Differential Privacy and social networks de-anonymization.

Schools/Workshops Attended

- August 2011 **Computational Nanotechnology Summer School** *Gdansk University of Technology, Poland*
- 13-16 **IACR/CryptoAction School on Cryptographic Attacks** *Porto, Portugal*
- October 2014 28-29 **Privaski Workshop** *Correncon, France*
- January 2015 7-9 January **Real World Cryptography Workshop 2015** *London, United Kingdom*
- 2015 31 August - 5 September **School on Foundations of Security Analysis and Design (FOSAD)** *Bertinoro, Italy*

Research interests

- Privacy and Applied Cryptography
- Systems and Network Security
- Machine learning applied to security problems

List of publications

Luca Melis, Hassan Jameel Asghar, Emiliano De Cristofaro, and Mohamed Ali Kaafar. Private Processing of Outsourced Network Functions: Feasibility and Constructions. *1st ACM Workshop on SDN-NFV Security 2016, to appear*, 2016.

Luca Melis, George Danezis, and Emiliano De Cristofaro. Efficient Private Statistics with Succinct Sketches. *23rd Network and Distributed System Security Symposium (NDSS 2016), to appear*, 2016.

Work experiences

- May–June 2013 **Business Intelligence consultant**, ICONSULTING S.P.A., Bologna, Italy.
- July–October 2013 **Computer Vision researcher**, T3LAB, Bologna, Italy.
- November 2013–August 2014 **Software Test Engineer Level II**, GAMING LABORATORIES INTERNATIONAL (GLI), Bologna, Italy.

Language skills

- Italian **Mothertongue**
- English **Fluent** *Level C1, TOEFL internet based test with a score of 98 out of 120 (2014)*

Computer skills and competences

- Operative Systems **Unix/Linux, Windows**
- Languages **C/C++, SQL, Java, PHP, Flex, JavaScript, Python, Visual Basic.Net, Bash, \LaTeX**