



Massimo Girondi

PhD student @ NSLAB - KTH, Royal Institute of technology

Personal

Living Place **Stockholm, Sweden.**
Birth **30/05/1996**, Vicenza, Italy.

Education

- 2020- **Licentiate degree in Communication Systems**, *KTH, Royal Institute of technology*, Stockholm.
Swedish half-way title to a PhD
- 2018-2020 **Master degree in Information and Communication Engineering**, *University of Trento*, Trento.
LM27 - Telecommunication Engineering - 110/110 with honour
- 2018-2020 **Master degree in Computer Science**, *KTH, Royal Institute of technology*, Stockholm.
- 2018-2020 **Master degree in ICT Innovation**, *EIT Digital Master School, UNITN*, Trento & *KTH*, Stockholm.
Double degree program in ICT Innovation: Internet Technology and Architecture
- Jul-Aug 2019 **IoT for Industry 4.0 Summer School**, *EIT Digital Summer School*, Munich.
Two weeks of full-immersion in IoT applied to Industry 4.0 with the aim to develop a business idea.
- 2015-2018 **Undergraduate Degree in Computer Sciences**, *University of Trento*, Trento.
L31 - Computer Science - 110/110 with honour
- 2010-2015 **Industrial Technician Diploma in Computer Sciences**, *I.T.T. Chilesotti*, Thiene (VI).
Computer Sciences Specialization - 95/100

Experience

- Jul 2020- **Research Engineer in Network Systems**, *NSLAB @ KTH, Royal Institute of Technology, Stockholm*.
- Jan-Jun 2020 **Efficient monitoring in 5G Core Network**, *Ericsson Research*, Master Thesis project.
Implementation and study of monitoring functionalities in the 5G Core Network.
- Feb-Jul 2018 **PeerStreamer-NG**, *ANS - DISI, Unitn*, Bachelor Thesis project.
Development of some functionalities of videoconference in PeerStreamer-NG, a P2P streaming platform.
- 2014-2016 **OpenBdT**, *Banca del tempo di Isola Vicentina*.
Development of a Web Application to manage the activity of a time bank in PHP.
- Summer 2014 **Leonardo Da Vinci Project**, *Forins 2013*.
4 weeks work experience at Curry's PC World in Llandudno (Wales)

Computer Skills

Programming Languages

C/C++, Python, Java, Java EE

Scripting Python, NodeJS, PHP, JS, Bash, NodeJS

Others

O.S. GNU Linux

Daily Use

V.C. Git & GitHub

Daily Use

Virtualization Docker, OpenStack, VirtualBox, Vagrant

Basic Knowledge

Linux stuff DPDK, Vlm, TMux, server & network setup and administration

DBMS MySQL, MongoDB

Others	Intel, ARM and MIPS assemblers, SML	<i>Basic knowledge</i>
Various	MATLAB, Simulink, Pandas, Matplotlib L ^A T _E X, Markdown	<i>Basic knowledge</i> <i>Daily Use</i>

Languages

Italian	Native Tongue	
English	CEFR B2 (Upper Intermediate)	<i>Cambridge FCE - 01/12/2017</i>

Awards

- 2019 **StartUp Lab 2019**, *Contamination Lab Trento*, University of Trento.
During the StartUp Lab course, with my group we won the third place among 19 innovative business ideas.
- 2017 **Paolo Gobetti Award - Secondary school**, *"Filmare la storia" competition*, Archivio Nazionale Cinematografico della Resistenza.
Award obtained for a documentary named "Il viaggio di Genoveffa", realized during the 2014-15 school year at I.T.T. Chilesotti
- 2016 **Lunacom award**, *I.T.T. Chilesotti*, Thiene (VI).
Contest organized by a local company to reward the final exam.
- 2012 **Student of the year**, *I.T.T. Chilesotti*, Thiene (VI).

Personal Interests

I'm into Linux and Open Source from several years, I like the idea that what I make could be helpful for someone else. I have a very technical background, mainly focused on Computer Science. In the last years I focused more on networking and more engineering topics, together with some new courses on entrepreneurship. I'm always eager to learn new things, fix problems by myself and get my hands dirty with new stuff or languages.

Publications

- [1] M. Girondi, T. Barbette, and M. Chiesa, "High speed connection tracking on modern servers," in *IEEE HPSR 2021*. [Online]. Available: <https://girondi.net/pub/conntrack21.pdf>.
- [2] M. Girondi, "Efficient traffic monitoring in 5g core network," KTH, Royal Institute of Technology, 2020. [Online]. Available: https://girondi.net/pub/msc_thesis.
- [3] D. Brunello, M. Girondi, E. Mintchev, O. Giordano, D. Radityapalma, and M. Viñas, "Comparison of flow classification methods for load balancing," KTH, Royal Institute of Technology, 2020, Technical report for the IK2200 Course at KTH. [Online]. Available: <https://girondi.net/pub/flowclass20.pdf>.
- [4] M. Girondi, "Multiflow distribution management for videoconference on a single peerstream overlay," University of Trento, 2018, In Italian, original title: Gestione della distribuzione multiflusso per videoconferenza su un singolo overlay PeerStreamer.