

Valerio Bruschi						
Work Experience						
DevOps Engineer May 2019 - Aug 2019		Axbryd, Rome (Italy) <ul style="list-style-type: none">Developer and tester for both hardware and software side of the FlowBlaze project.				
Intern Oct 2018 - Apr 2019		Banca d'Italia – Eurosystem, Frascati (Italy) <ul style="list-style-type: none">Performance evaluation of different virtualization technologies in a private cloud environment.				
Research & Development Engineer Oct 2017 - Sep 2018		Telecom ParisTech – IMT (Institut Mines-Télécom), Paris (France) <ul style="list-style-type: none">Design of a test methodology able to replicate a real ACL scenario;Development of a new ACL implementation resulted scalable and two orders of magnitude faster than previous versions released in VPP.				
Researcher Dec 2015 - Sep 2017		CNIT – National InterUniversity Consortium for Telecommunications, Rome (Italy) European research projects focused on stateful network dataplanes in SDN/NFV scenario: <ul style="list-style-type: none">Development of a userspace interface able to configure and debug the proof of concept prototype (FPGA based), both statically (from CLI) and dynamically (from a central controller);Design and deployment of stateful network use cases to test and validate the prototype.				
Projects						
5G-Picture EU H2020 project 2019 - 2020		The project aims to design and deploy a 5G network in railways for performance and business services under a multitenant approach. In this project, I focused in ensuring session continuity when frequent changes of network attachment occur due to the train movement. (C, bash lang)				
NewNet@Paris Cisco research project 2017 - 2018		“NewNet@Paris” is an industrial Chair at Telecom ParisTech sponsored by Cisco. In this project, I worked on the open source “Vector Packet Processor” framework (C lang) and I focused on the performance of the Access Control Lists (ACLs) plugin.				
BEBA EU H2020 project 2015 - 2017		The project aims to provide the ability to program, in a platform-agnostic manner, not only plain forwarding rules, but also dynamic states determining which forwarding rules should be applied at a given time, and the relevant policies formalizing how states should evolve. (C, bash lang)				
Education						
Nov 2018 - ongoing		Ph.D. in “ Electronics Engineering ” (3 years course) University of Rome “Tor Vergata”				
Nov 2015 - May 2018		Master’s degree in “ ICT and Internet Engineering ” (110/110 cum laude) University of Rome “Tor Vergata”				
Oct 2012 - Oct 2015		Bachelor’s degree in “ Internet Engineering ” (110/110 cum laude) University of Rome “Tor Vergata”				
Personal Skills: languages						
Italian		Mother tongue				
Other languages: (self-assessment)		UNDERSTANDING		SPEAKING		WRITING
		Listening	Reading	Interaction	Production	
English		B2	B2	B2	B2	B2
French		B1	B1	A2	A2	A1
Levels: A1/2: Basic user – B1/2: Independent User – C1/2 Proficient user						
Computer Skills						
Software skills		Good knowledge of operating systems: Linux, MacOS, Windows . Good use of Matlab, Feko, Photoshop .				
Programming languages		Good knowledge of software programming: C, Python, Bash, Java, C++, Android . Basic knowledge of web programming: HTML, CSS .				
Database		Experience with SQL, MySQL, InfluxDB .				
Networking		Excellent knowledge of: Internet protocols, Network security, Network architecture (SDN/NFV), Enterprise networks (Cisco IOS on GNS3 simulator), Mobile Wireless Networks (3G/4G/5G), Cloud computing and networking .				

I give the authorization for the treatment of my personal data according to Italian Law D. Lgs. 196/2003.
Rome, January 2020.