

FRANCESCO GALLÀ

WORK EXPERIENCES

11/2018-
ongoing

Researcher at University of Turin

Research grant for one year, regarding formal methods for verification and model checking. My work consists in improving the GreatSPN¹ tool, an open source² project developed by University of Turin (UNITO) and publicly available.

1. <http://www.di.unito.it/~greatspn/index.html>
2. <https://github.com/greatspn/SOURCES>

08/2018-
01/2019

Participation to the Symmetry Autumn of Code¹ Project

SaoC is a project of the D Foundation².

My work regarded working on the Vibe.d³ eventcore to implement HTTP/2⁴. The entire project is open source and accessible from my *GitHub* account.

1. <https://dlang.org/blog/symmetry-autumn-of-code> – Project announce
2. <https://dlang.org> – D language website and official website of the D Foundation
3. <https://vibed.org> – Official Vibe.d website
4. <https://tools.ietf.org/html/rfc7540> – HTTP/2 RFC as standardized by IETF

09/2016 -
03/2017

Part-time collaboration as a Professor assistant - Polito

I worked as an assistant for professor Stefano Quer, of the Algorithms and Programming course, assisting students during lectures and laboratories.

03/2016 -
08/2016

Part-time collaboration at AREAIT - Polito

I worked in one of the laboratories of my university, managing and troubleshooting computer systems in both Windows and Linux environments.

EDUCATION

09/2009-
07-2014

Scientific High School “Amedeo Avogadro”, Biella

High School Diploma - Liceo Scientifico P.N.I

Grade: 100/100

10/2014 –
07/2017

Polytechnic University of Turin

Bachelor of Science in Computer Engineering

Grade: 99/110

Relevant Courses:

- Algorithms and Programming, Operating Systems, Databases, Object Oriented Programming, Computer Networks
- Mathematical Analysis I and II, Mathematical Methods, Circuit Theory, Electronic Systems and Technologies, Signal Analysis and Processing

All the classes and exams were attended in English.

09/2017-ongoing

University of Turin

Master of Science in Computer Engineering

Relevant Courses:

- Advanced topics in Networking, Advanced topics in Security, distributed algorithms, Parallel and distributed computation systems, Concurrent programming

CERTIFICATIONS

09/2014

FCE – First Certificate in English

Cambridge English Language Assessment

Grade: A – C1

LANGUAGES

ITALIAN
Mother tongue

ENGLISH
Fluent

SKILLS

Programming Languages

- C and C++ (University, Self taught)
- D (Self taught)
- Python (Self taught)
- Java (University)
- Kotlin (Self taught)
- C++ (Self taught)
- Scheme (Self taught)

Operating Systems

- Deep knowledge of the Linux environment, kernel, shell
- Experience programming in the Linux environment
- Currently using Gentoo Linux on a daily basis

Databases

- SQL (University)
- MariaDB / MySQL (University and self taught)
- Kyoto Cabinet (Self taught)

VCS

- Git (Self taught)
- Subversion

Most relevant books read

- H. Cormen, Introduction to Algorithms
- H. Abelson, G. Sussman, Structure and Interpretation of Computer Programs
- E. S. Raimond, The Art of Unix Programming
- J. Kurose, K. Ross, Computer Networking: a Top-Down Approach
- J. Gustedt, Modern C
- M. Pilgrim, Dive into Python 3
- The Dragon Book