Curriculum Vitae

FRANCESCO MECCA

PERSONAL INFORMATION

Date and
Place of Birth: 1995, Mantova (MN), Italy

Nationality: Italian

Personal Blog: francescomecca.eu

Email: me@francescomecca.eu

Github: github.com/FraMecca

Personal git: francescomecca.eu/git

WORK EXPERIENCES

06/2016 -
08/2016

Intern for the Berkman Klein Center for Internet and Society

During Summer 2016 I worked as an intern for the Berkman Klein center[1] of the Harvard University (US) with the collaboration of the Nexa Center for Internet and Society of the Polytechnic of Turin where I developed the Network of Centers Semantic Wiki

1. cyber.law.harvard.edu
2. nexa.polito.it/people/fmecca

09/2017 -
07/2017

Back-end Developer for FARE

FARE[1] (Free Architecture for Remote Education) is a smart learning environment developed at the Polytechnic of Turin for the professors Angelo Raffaele Meo and Marco Mezzalama by me and Leonardo Favario.
FARE is currently used as a learning platform for the developing of MOOCs and remote lessons for hospitalized children.
FARE won the second prize in the contest "Talent Italy" indicted by MIUR, Ministero dell'istruzione, dell'università e della ricerca, Italy's education ministry[2]

1. fare.polito.it
2. attiministeriali.miur.it/anno-2016/novembre/dd-07112016.aspx

10-2017 –
4/2018

Research assistant in computer security at UCSB

Starting October 2017 till April 2018 I am working as a research assistant for Giovanni Vigna and the Shellphish team at the security lab of the University of California Santa Barbara[1] (UCSB).
The focus of my research is on the exploitation and weaknesses of machine learning models applied to malware detection.

1. seclab.cs.ucsb.edu/

10/2018 - 01/2019	**Participant in the Symmetry Autumn of Code**

Simmetry Investments sponsored my work on a concurrent garbage collector for the D runtime as part of the SAOC[1] initiative.
I worked under the mentorship of Leandro Lucarella of Sociomantic.
All of my work can be is open source and accessible from my github account.

1. dlang.org/blog/2018/09/15/symmetry-autumn-of-code-is-underway/

EDUCATION

09/2008 – 06/2014	**Scientific High School "Galileo Galilei" of Macerata** Sezione sperimentale piano nazionale informatica (Progetto Brocca)

10/2014 – 07/2017	**Polytechnic University of Turin** Bachelor of Science in Computer Engineering

All the classes and the exams were attended in English
Grade: 93/110

09/2017 – Ongoing	**University of Turin** Master of Computer Science in Networks and Security

All the classes and the exams were attended in Italian

CERTIFICATIONS

09/2014	**CAE** Certificate of advanced English Grade: C1/C2

LANGUAGES

ITALIAN	ENGLISH
Mother tongue	Very Fluent

SKILLS

Programming Languages	• C (Self taught, University) • C++ (Self taught) • D (Self taught) • Python (Self taught) • Scheme (Guile, Self taught) • Java (University) • Kotlin (University)
Databases	• MySQL, MariaDB (University) • Kyotocabinet (Self taught)
VCS	• Git (Self taught)

Operating Systems	• Advanced programming in the Linux environment • High proficency in the Linux operating system, kernel, shell • Currently using Gentoo on my personal computer
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 • A. Alexandrescu, The D Programming Language

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