

# Matteo Giorgi

## Curriculum Vitæ

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## BIO & EDUCATION

BIRTH	Born in Pisa (Italy), 18 June 1987
HIGH SCHOOL	Scientific high school diploma, <i>Liceo Scientifico F. Enriques</i> (Livorno)
UNIVERSITY	Studies in Mechanical Eng. at the Department of Mechanical Engineering, <i>University of Pisa</i>  Currently finishing B.Sc. in Computer Science at the <i>University of Pisa</i>

## AREAS OF INTEREST

I am very keen on programming languages and I often learn some new language trying to improve my skills; this has made me focused on *Functional programming*, experimenting with languages such as *Ocaml*, *Haskell* and *Scala*.

I also grew interests in *Lattice Theory* because of its implications in elliptic-curve cryptography and post-quantum cryptography.

## PROGRAMMING & SOFTWARE

LANGUAGES	<i>C/C++</i> , <i>Java</i> , <i>Python</i> , <i>Javascript</i> , <i>Go</i> , <i>Ocaml</i> , <i>Common Lisp</i> , <i>Bash</i>
UNIX	<i>GNU/Linux</i> and <i>FreeBSD</i> system management, <i>C</i> system programming, good knowledge of <i>POSIX</i> standard
TOOLS	Experience with various software such as <i>Vim</i> , <i>Emacs</i> , <i>Git</i> , <i>L<sup>A</sup>T<sub>E</sub>X</i> <i>Matlab</i> and <i>Wolfram Mathematica</i>
EXTRA	Knowledge of <i>Sql</i> , <i>HTML</i> and <i>CSS</i>

## LANGUAGES

ITALIAN	Mother tongue
ENGLISH	Advanced use in speaking and writing, <i>Cambridge C1 Advanced (IELTS 7.0)</i>
FRENCH	Basic understanding in speaking and writing, <i>DELTA A2</i> certification

## EXPERIENCES & PROJECTS

CNR PROJECT	Experience, together with a colleague of mine, as a <i>Python</i> programmer inside the <i>CNR offices</i> in Pisa, helping in the realisation of a scale model for blind people. The project was under the supervision of Doctor Furfari from <i>CNR</i> and Professor Pelagatti from <i>UniPi</i> .
LAB ASSISTANT	Worked, together with Professor Pelagatti as lab assistant for the <i>C laboratory exam</i> at <i>B.Sc. in Physics</i> .
RSA REPORT	<i>Independent studies</i> , under the supervision of Professor Romani from <i>UniPi</i> , regarding the attacks that exploit the <i>RSA</i> cryptosystem vulnerabilities. The specific focus was on <i>Wiener Attack</i> and its use of continued fractions for the factorization of the <i>RSA</i> module.
SYSTEM CONF.	Public repository of all my <i>GNU/Linux</i> scripts and config. files, written over time. The main purpose of the project is to build a stable <i>personal environment</i> complete with all the tools needed to work efficiently.
HACKATHON	First place in the 2021 edition of <i>ContHackt</i> , organized by <i>University of Pisa</i> and <i>Contamination Lab Pisa</i> . Final stage winner of the <i>EUAcceL</i> project organized by the <i>European Institute of Innovation and Technology</i> .

## COMPETITIVE SPORTS

More than 10 years of sailing activity at both national and international level in Optimist, 420 and 470 class.

Winner of 1 national ranking list and qualified among the first ten italian juniores other four times. Competed, as a member of the italian national team, in 1 world championship (China), 3 european championships (Portugal, Ireland, Italy) and classified vice-champion in 1 european team championship (Germany).

Other noteworthy achievements: winner of *Young Barcolana*, *Mediterranean Cup* and *Trofeo Accademia Navale Jr.*

Other prestigious competitions: *Kiel Week* and *Barcolana* as the two largest sailing event in the world.