Federico **Gianno**

· SOFTWARE ENGINEER ·

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"The difference between insanity and genius is measured only by success and failure."

Summary

Undegraduate Computer Engineer, Msc student currently at second year of Computer Engineer at Politecnico di Torino. Passionate about Optimization Method and Algorithm, Machine Learning, Data Science, Clouds. Oriented toward challenges that require strong problem solving skills. Always improving soft skills and teamwork attitude.

Skills

High level languages	Python, C/C++/C, Java
Low level languages	Assembly x86, ARM
Scripting	Bash, AWK
Specific Domaim	Matlab, SQL
Web	HTML5, CSS, JavaScript, PHP
Tools	Git, Docker

Experience

WORK EXPERIENCE

Tutor *Turin, Piedmont*
COMPUTER TECHNOLOGY AND MATHS *Jan. 2016 - PRESENT*
- Private Lessons for high school student about Informatics and Maths.

Competitive swimmer *Turin, Piedmont*
CENTRO NUOTO TORINO *Sept. 2009 - Apr. 2015*
- Regional champion undefeated for 5 years with two still unbeaten regional records (100m and 200m breaststroke Cat. Juniores, Cadetti)
- Five national finals
- Two participation in international championships

OTHER EXPERIENCE

"Hello Bot!" Hackathon *Turin, Piedmont*
HKN *11 Nov. 2012 - 12 Nov. 2012*
- Winner of Hackathon in question
- Python telegram BOT developed in 24h with a final presentation to companies

Education

ACADEMIC

Liceo Superiore Ettore Majorana *Noto (SR), Sicily*
HIGH SCHOOL DIPLOMA *2009 - 2014*
- Scientific high school diploma

Polytechnic University of Turin *Turin, Piedmont*
COMPUTER ENGINEERING *2014 - 2017*
- Three-year degree in computer engineering

Polytechnic University of Turin *Turin, Piedmont*
COMPUTER ENGINEERING *2017 - Exp. 2019*
- Computer engineering, Software

PROJECT

ESP32 Tracking system
- The purpose of the project is to sniff probe request packets sent by smart-phones that are looking for a Wi-Fi connection. From each sniffed packet some information will be extracted and elaborated in order to do several analysis.

Twitch application report
REPORT FOR "LABORATORIO INTERNET E COMUNICAZIONI"
- Full report for Twitch application, streaming service, analyzing the various protocols and decrypting the data.

Examination Timetabling
PROJECT FOR "OPTIMIZATION METHOD AND ALGORITHM"
- The aim is to assign time-slots and resources to the meetings so as to satisfy the constraints as much as possible using meta-heuristics algorithm: such as Graph Coloring, Tabù Search and Simulated Annealing.

Writing

Wordlist generator
GitHub

PERSONAL PROJECT
Jan. 2016 - PRESENT
- Make customized wordlist through a variety of methods.
- Useful for penetration-testing.
- Dictionary toll for dictionary attack.

C++ Thread Pool
GitHub

PERSONAL PROJECT
Oct. 2018
- More threads access at the same data structure and the concurrency is managed by condition variable, lock (lock guard and unique lock) and mutex.

Extracurricular Activity

Deep Learning
UDEMY COURSE
- Data Science: Natural Language Processing (NLP) in Python
- Modern Deep Learning in Python
- Deep Learning: Convolutional Neural Networks in Python

Ethical Hacking
UDEMY COURSE
- Learn Ethical Hacking From Scratch
- The Complete Nmap Ethical Hacking Course : Network Security

Honors & Awards

SWIMM

2014	**Semifinalist**, Sette colli - International swimming	*Rome, Italy*
2014	**3th Place**, Italian swimming championships	*Rome, Italy*
2013	**4th Place**, Italian swimming championships	*Rome, Italy*
2012	**5th Place**, Italian swimming championships	*Rome, Italy*
2012	**1st Place**, Jeux des îles - International swimming (Juniores)	*Palermo, Italy*
2011-2015	**1st Place**, Regional championships	*Sicily, Italy*

HACKATHON

2016	**Participant**, Reply Code Challenge	*Turin, Piedmont*
2014	**1st Place**, HKN Hackathon	*Turin, Piedmont*

Languages

Italian, Mother-tongue
English, B2, Level attested by IELTS Certificate
French, A2