

Francesco Ranellucci

fr0.github.io | fra.ranellucci@gmail.com | linkedin.com/in/fr07 | github.com/fr07 | gitlab.com/fra07

EDUCATION

Polytechnic University of Turin

Bachelor of Science in Computer Engineering

Turin, Italy

Oct. 2019 – Ongoing

Liceo Scientifico Statale Galileo Ferraris

Diploma of Scientific High School

Turin, Italy

Sep. 2014 – Jul. 2019

Big Sky High School

High School Exchange Program

Missoula, MT, US

Aug. 2017 – Jun. 2018

EXPERIENCE

Software Engineer intern

National Institute of Metrological Research – INRiM

Jul. 2022 – Oct. 2022

Turin, Italy

- Development of a MS Windows GUI software in C# made for a Gage PCI Digitizer able to receive multiple analog signals from an advanced non-linear optical microscope and generate images of analyzed cells, and graphs of the data acquired.
- Usage of multi-thread programming, implementation of sockets for communications, usage of C# libraries such as Bitmap, Libtiff, Net, System, usage of Git.

PROJECTS

PoliTO Alumni LinkedIn Scraper | Java, Selenium Library

Aug. 2022 – Present

- Development of a software for a LinkedIn scraping in order to get PoliTO alumni data.

Fantacitorio bot | Python, Telegram API, sncrape, git

Apr. 2022 – Apr. 2022

- Development of a Telegram bot using Telegram API in order to make a game manager inspired by fantasy football.

Average deposit & bank statement | python

Aug. 2022 – Aug. 2022

- Average deposit and bank statement calculator able to generate a paper containing all the data and informations.

Covid-19 | shell

Dec. 2021 – Jan. 2022

- A full collection of Italian Covid-19 data put in a 7000+ pages pdf using Pandoc.

TEAM WORK EXPERIENCE

European BEST Engineering Competition - EBEC

2019, 2020

EBEC Competition, (2019 Team Design, 2020 Case Study)

Turin, Italy

- European BEST Engineering Competition (EBEC) is a 3 level, team-based engineering competition. It is held in 19 countries across Europe in 2 categories Innovative or Team Design and Case Study.

Investment Challenge

2020

Reply Investment Challenge

Turin, Italy

- players invested on BG Saxo, the investment platform connected to the real market, and learned from some useful contents on different asset classes and investment strategies, made by Reply and MIP.

Giornata della Scienza

2017, 2018, 2019

Turin science fair, (2017 Physics Team work, 2018 Math Team work, 2019 Electronics Team work)

Turin, Italy

Clean air and healthy homes symposium

2018

Big Sky High School, University of Montana, Montana Department of Environmental Quality

Missoula, MT, US

TECHNICAL SKILLS

Languages: C, C#, Java, Assembly, Python, Shell, SQL, Lua, Latex, Markdown, Matlab, HTML, CSS.

Developer Tools: Linux, Command Line, Git, GitHub, GitLab, Svn, Raspberry Pi, Arduino, OOP, Algorithms and Data Structure, Vim, VSCode, Visual Studio, Eclipse, IntelliJ.