Francesco Ranellucci

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EDUCATION

Polytechnic University of Turin — Turin, Italy
Bachelor of Science in Computer Engineering — *Oct. 2019 – Ongoing*

Liceo Scientifico Statale Galileo Ferraris — Turin, Italy
Diploma of Scientific High School — *Sep. 2014 – Jul. 2019*

Big Sky High School — Missoula, MT, US
High School Exchange Program — *Aug. 2017 – Jun. 2018*

EXPERIENCE

Software Engineer intern — Jul. 2022 – Oct. 2022
National Institute of Metrological Research – INRiM — *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 comunications, usage of C# libraries such as Bitmap, Libtiff, Net, System, usage of Git.

PROJECTS

PoliTO Alumni LinkedIn Scraper | *Java, Selenuim Library* — Aug. 2022 – Present
- Development of a software for a LinkedIn scraping in order to get PoliTO alumni data.

Fantacitorio bot | *Python, Telegram API, git* — Apr. 2022 – Apr. 2022
- Development of a Telegram bot using Telegram API in order to make a game manager inspired to 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.