Francesco Ranellucci

frr0.github.io | f.ranellucci@outlook.com | github.com/frr0 | gitlab.com/fra07

EDUCATION

Polytechnic University of Turin — Turin, Italy
Bachelor of Engineering 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 — Missula, MT, US
High School Exchange Program — *Aug. 2017 – Jun. 2018*

EXPERIENCE

Software Engineer intern — Jul. 2022 – Present
National Institute of Metrological Research – INRiM — *Turin, Italy*

- Development of a software 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.
- Development of a MS Windows GUI in C# for a better usage of the software.

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.

Dotfiles | *Mostly shell* — Jul. 2020 – Present
- Configuration of pc programs such as, terminal, CLI UIs, editors, e.g. Vim, Nvim, VSCode; shells, Desktop Environments, Tiling Window Managers.

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

EBEC — 2019, 2020
EBEC Competition, (2019 Team Design, 2020 Case Study) — *Turin, Italy*

Investment Challenge — 2020
Reply Investment Challenge, Investments with real stocks — *Turin, Italy*

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 healty 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.