

Francesco Ranellucci

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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 – Present

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, 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, 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

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

2019, 2020

Turin, Italy

Investment Challenge

Reply Investment Challenge, Investments with real stocks

2020

Turin, Italy

Giornata della Scienza

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

2017, 2018, 2019

Turin, Italy

Clean air and healthy homes symposium

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

2018

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.