

# 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.