

# Francesco Penasa

CS STUDENT · SERVICE AND SOFTWARE ARCHITECTURES - CYBER SECURITY - BIOINFORMATICS

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## Education

### UNITN (The University of Trento, DISI)

Trento, Italy

MASTER IN COMPUTER SCIENCE - SERVICE AND SOFTWARE ARCHITECTURES / BIOINFORMATICS

Sep. 2019 - Sep. 2021

- Master's thesis: Research in Machine Learning methods to encode and decode audio

### UNITN (The University of Trento, DISI)

Trento, Italy

B.S. IN COMPUTER SCIENCE

Sep. 2016 - Sep. 2019

- Bachelor's thesis: developed a Java Application for **BPMN redesign through planning**: dynamic failure recovery, optimization and alternate path creation through a BPMN and PDDL integration

## Skills

**Programming Languages** C, C++, Java, PHP, SML, Python3, JavaScript, R, MATLAB, NuSMV

**Web Development** HTML5, CSS, JavaScript, JavaEE, PHP, NodeJS, Test:Travis, Swagger, Heroku, REST API

**Miscellaneous** MySQL Server, Optical Fiber join, Git, AutoCAD, LaTeX

**Languages** English, Italian

## Experience

### Funivie Madonna di Campiglio

Madonna di Campiglio, TN 38086,

Italy

INTERNSHIP IN IT DEPARTMENT

Jun. 2019 - Aug. 2019

- Web-app development, web-app testing, code refactoring, integration of BancaIntesa's API
- Optical fiber management, tech assistance, mobile Operative Systems compile.
- PHP 7, MySQL, Unicredit API, Android 5, Optical-fiber, GNU-Linux, FTP, Excel

### MMape

MUSEUM GUIDE

Croviana, TN 38027, Italy

Apr. 2016 - Sep. 2016

- **Soft Skill developed:** public speaking, team-working and time-management.

### Studio Tecnico Fantelli

Dimaro, TN 38025, Italy

SURVEYOR

Apr. 2016 - Sep. 2016

- Large usage of CAD 2D, CAD 3D and Google Sketchup to develop blueprints for various project.

### Progetto Giovani - APPM

Dimaro, TN 38025, Italy

CIVIL SERVICE - EDUCATOR AND EVENTS ORGANIZER

Jun. 2015 - Jun. 2016

- Soft Skill developed: problem-solving, communication and team-working.

## Extracurricular Activity

### DailyQuest.it (Gaming - News and Insights)

Italy

EDITOR

Nov. 2018 - PRESENT

- Gained expertise in insight and critic article writing and step-by-step guides writing.

### Battlecraft.it (Gaming - News and Insights)

Italy

EDITOR

2015 - Nov 2018

- Gained expertise in article writing and step-by-step guides writing.

### CoderDojo Trento (community-based computer programming clubs for young people)

Trento, Italy

VOLUNTEER

Oct. 2017 - PRESENT

- ...

### Progetto Giovani - APPM (Music and boardgames laboratories)

Dimaro, Italy

VOLUNTEER

Dec. 2013 - 2015

- ...