

# FRANCESCO PIO PARADISO

Cell phone: (+39) 324-595-1463

Email: francescopara2003@icloud.com

Website: francescoparadiso.com

## Education

### POLYTECHNIC UNIVERSITY OF TURIN

#### Master of Science in ICT Engineering for Smart Societies

• Expected Graduation Date: 07/2027

**Turin, Italy**

Sep 25 - present

### POLYTECHNIC UNIVERSITY OF TURIN

#### Bachelor of Science in Mechanical Engineering

• Final Grade: GPA 3.64 out of 4

• Thesis: [Low Cost Heavy Duty AMR](#)

**Turin, Italy**

Sep 22 - Sep 25

### POLYTECHNIC UNIVERSITY OF MILAN

#### Course in Biomedical Engineering

• Main Courses attended: Biomedical Instrumentation

**Milan, Italy**

Jul 21 - Aug 21

### POLYTECHNIC UNIVERSITY OF BARI

#### Course in Additive Manufacturing

• Main Courses attended: 3D printing, Materials, Printing Technics

• Final Grade: A

**Bari, Italy**

May 20 - Jun 20

### NATIONAL COLLEGE OF IRELAND

#### Course in English at work

• Main Courses attended: English at work

• Final Grade: A

**Dublin, Ireland**

Jul 18 - Jul 18

### ISTITUTO TECNICO INDUSTRIALE SEN ONOFRIO "JANNUZZI"

#### High school degree in Mechatronics and Automation Engineering

• Main Courses attended: 3D Printing, 3D Modeling, Stress Simulation, FEM Analysis

• Final Grade: 100 out of 100

**Andria, Italy**

Sep 17 - Jul 22

## Professional Experience

### RAIL

#### Founder & Lead Developer

• Website: [francescoparadiso.com](#)

• Designed, developed, and published a native iOS application for real-time train tracking and group management on the App Store

• Engineered a resilient MVVM architecture using Swift/SwiftUI, utilizing a hybrid concurrency model (Async/Await & GCD) for multi-API synchronization

• Implemented custom data parsing to unify heterogeneous API responses (Trenitalia/Italo) and released the source code under a GPLv3 license

**Turin, Italy**

Dec 25 - present

### PIC4SER - POLITECNICO DI TORINO INTERDEPARTMENTAL CENTRE FOR SERVICE ROBOTICS

#### BSc thesis

• GitHub: [Low Cost Heavy Duty AMR](#)

**Turin, Italy**

Feb 25 - Jul 25

### THE ANIMATION INDUSTRY

#### Founder

• Website: [francescoparadiso.com](#)

• Main Activity attended: modeling mechanical components, stress simulation, FEM Analysis, mechanical fatigue analysis, strength analysis

**Turin, Italy**

Jun 23 - Dec 25

### SEFA OFFICINE

#### Internship

• Main Activity attended: rectifier, mechanical components simulation, sand treatments, CAD modeling and analysis, measuring room and instruments

**Molfetta, Italy**

Dec 21 - Dec 21

## Leadership & Mentorship

### ISSNAF

#### Mentee

• Selected for the Young ISSNAF Mentoring Program for Students, a biannual initiative by the Italian Scientists and Scholars in North America Foundation (ISSNAF) that connects Italian undergraduates, graduates, and recent graduates with seasoned mentors based in North America.

**Turin, Italy**

May 25 - present

### LEAD THE FUTURE

#### Mentee

• Selected as one of the few Italian students for LeadTheFuture, a STEM mentorship program with a 13% acceptance rate, connecting top talent with industry leaders for personalized career guidance and community impact.

**Turin, Italy**

Sep 24 - present

### MENTORS4U

#### Mentee

• It is Europe's largest mentoring program, connecting 1800+ mentees from 100+ universities with 600 mentors. Founded in 2014 by Harvard Business School alumni, it provides career guidance and hosts events for skill and professional development.

**Turin, Italy**

Jun 24 - present

## Languages

**Italian** Native

**English** Fluent

**French** Beginner

## Computer Skills

**Programming Languages** LaTeX, Typst, MATLAB, Python, Swift

**Productivity Tools** Figma, Notion

**Machine Learning** Numpy, Pandas, Sklearn

**Neural Network** Pytorch, Tensorflow

**Databases** MongoDB, Postgres, SQL, SQLite

**Big Data** Hadoop, Pyspark

**Web Development** CherryPy, CSS, Flask, HTML, JavaScript, Jinja, Next.js, React, TailWindCSS

**UI/UX Design** Figma, Framer

**CAD** AutoCAD, Fusion360, Inventor, Shapr3D, SolidWorks

**FEM** Ansys, Fusion360 Simulation, SolidWorks Simulation

**3D Printing** Bambu Studio, Cura, PrusaSlicer

## Licences & Certifications

### ENGINEERING & TECHNICAL CERTIFICATIONS

Additive Manufacturing & 3D Printing  
"Biomedical Instrumentation" Digital Badge  
Certified SOLIDWORKS Associate (CSWA)  
Comau International Robotics License  
ICDL Full Standard IT Certification

### LANGUAGE CERTIFICATIONS

IELTS (6.5)  
Cambridge English (B2)  
Trinity College London (B1)  
ATC Language Schools (B1)

### OTHER CERTIFICATIONS

Workplace Health & Safety (Work Security)

## Additional Information

### HONORS & AWARD

Lions Club Winner of an artistic competition for a peace message

MIUR Italy National Excellences Register

### VOLUNTEERING

Student Representative (Istituto Tecnico Industriale Sen Onofrio

"Jannuzzi")

Children's entertainer (SS "Trinità" church)

### HOBBIES

Fitness

Horse Riding

IoT Automations