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
Turin, Italy
Sep 25 - present
- Expected Graduation Date: 07/2027

POLYTECHNIC UNIVERSITY OF TURIN
Bachelor of Science in Mechanical Engineering
Turin, Italy
Sep 22 - Sep 25
- Final Grade: GPA 3.64 out of 4
- Thesis: Low Cost Heavy Duty AMR

POLYTECHNIC UNIVERSITY OF MILAN
Course in Biomedical Engineering
Milan, Italy
Jul 21 - Aug 21
- Main Courses attended: Biomedical Instrumentation

POLYTECHNIC UNIVERSITY OF BARI
Course in Additive Manufacturing
Bari, Italy
May 20 - Jun 20
- Main Courses attended: 3D printing, Materials, Printing Technics
- Final Grade: A

NATIONAL COLLEGE OF IRELAND
Course in English at work
Dublin, Ireland
Jul 18 - Jul 18
- Main Courses attended: English at work
- Final Grade: A

ISTITUTO TECNICO INDUSTRIALE SEN ONOFRIO "JANNUZZI"
High school degree in Mechatronics and Automation Engineering
Andria, Italy
Sep 17 - Jul 22
- Main Courses attended: 3D Printing, 3D Modeling, Stress Simulation, FEM Analysis
- Final Grade: 100 out of 100

Professional Experience

RAIL
Founder & Lead Developer
Turin, Italy
Dec 25 - present
- 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

PIC4SER - POLITECNICO DI TORINO INTERDEPARTMENTAL CENTRE FOR SERVICE ROBOTICS
BSc thesis
Turin, Italy
Feb 25 - Jul 25
- GitHub: Low Cost Heavy Duty AMR

THE ANIMATION INDUSTRY
Founder
Turin, Italy
Jun 23 - Dec 25
- Website: francescoparadiso.com
- Main Activity attended: modeling mechanical components, stress simulation, FEM Analysis, mechanical fatigue analysis, strength analysis

SEFA OFFICINE
Internship
Molfetta, Italy
Dec 21 - Dec 21
- Main Activity attended: rectifier, mechanical components simulation, sand treatments, CAD modeling and analysis, measuring room and instruments

Leadership & Mentorship

ISSNAF
Mentee
Turin, Italy
May 25 - present
- 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.

LEAD THE FUTURE
Mentee
Turin, Italy
Sep 24 - present
- 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.

MENTORS4U
Mentee
Turin, Italy
Jun 24 - present
- 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.

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	LANGUAGE CERTIFICATIONS	OTHER CERTIFICATIONS
Additive Manufacturing & 3D Printing	IELTS (6.5)	Workplace Health & Safety (Work Security)
"Biomedical Instrumentation" Digital Badge	Cambridge English (B2)	
Certified SOLIDWORKS Associate (CSWA)	Trinity College London (B1)	
Comau International Robotics License	ATC Language Schools (B1)	
ICDL Full Standard IT Certification		

Additional Information

HONORS & AWARD	VOLUNTEERING	HOBBIES
Lions Club Winner of an artistic competition for a peace message	Student Representative (Istituto Tecnico Industriale Sen Onofrio "Jannuzzi")	Fitness
MIUR Italy National Excellences Register	Children's entertainer (SS "Trinità" church)	Horse Riding
		IoT Automations