

Francesco Montefusco

+39 348 594 2967 | francesco.montefusco@live.it | github.com/kyotuca

EDUCATION

Liceo Scientifico Vittorio Veneto

High School Diploma

Milan, IT

Sep. 2016 – Jun. 2021

Politecnico di Milano

Bachelor in Computer Engineering

Milan, IT

Sep. 2021 – Present (*Expected summer 2026*)

EXPERIENCE

Software Developer

HUMA-INT S.R.L.

Sep. 2025 - Present

Milan, IT

- Developed a python tool to manage long transcriptions from video and audio
- Developed a tool using AI analysis to assist into ethnographic analysis
- Managed IT tasks and improved the company internal policies
- Deployed a new version of the website, using docker, astro and keystatic as CMS

SysAdmin for Politecnico Open unix Labs

Politecnico di milano

Sep. 2025 – Present

Milan, It

- Managed the hosting of multiple applications, interacting with advanced open source tools
- Contributed and participated to multiple association courses, focusing on the world of open source
- Manager and speaker at the 2026 edition of the git course at Politecnico di Milano

PROJECTS

Galaxy Trucker | *Java, JavaFX*

Mar. 2025 – Jun. 2025

- Developed a distributed multiplayer version of a tabletop game implementing the MVC pattern
- Implementation from scratch, with only a handful of libraries allowed (serialization, UI, Tests)
- Used GitHub's CI for automated tests
- Project focused on software engineering practices and design pattern usage

Algorithms and DSA | *C, Valgrind, Asan, GDB*

May 2025 – Sep. 2025

- Project focused on implementing from scratch in C algorithms and DSA
- No libraries outside of the C standard library was allowed
- Implemented RB-Trees and Hash Table from scratch, Dijkstra's algorithm

Bits | *golang, MQTT, kubernetes, docker*

Mar. 2025 – Jun. 2025

- Project manager for the new version of bits.poul.org, a program to notify the state of the association's HQ
- Built using modern technologies such as golang, with reliability in mind
- Containerized and deployed for kubernetes in mind, with specifics endpoint for healthchecks
- Built with microservice architecture, focusing on modularity and the ability to build on top of the application

TECHNICAL SKILLS

Languages: Java, Rust, Python, C/C++, SQL, Lua, TypeScript, golang

Frameworks: Astro

Developer Tools: Git, Docker, VS Code, IntelliJ, Linux, Kubernetes, Bootc, S3, CI/CD, Helm, GitOps, Terraform