



WALTER CATALFAMO

Software Developer

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cataWalter

PROGRAMMING LANGUAGES

Assembly (MIPS, 8086, x86)

Alloy Bash C C++

Dart Erlang Go Haskell

Java JavaScript JML

Latex LISP Matlab

NoSQL Python SQL

VHDL

TECHNOLOGIES

Android Apache Kafka

Couchbase Firebase

Flutter Git Grafana

Hibernate JavaFX JUnit

Lightroom Linux

Mathematica MySQL

Node-RED Premiere

Robot Framework Splunk

Supabase TinyOS Vivado

LANGUAGES

Dutch: Basic
English: Fluent
French: Fluent
German: Conversational
Italian: Native
Portuguese: Advanced
Sicilian: Native
Spanish: Fluent
Turkish: Basic

EDUCATION

Master's degree in Computer Engineering | Politecnico di Milano

09 2020 - 05 2023

Milan, Italy

Bachelor's degree in Computer Engineering | Politecnico di Milano

09 2017 - 07 2020

Milan, Italy

EXPERIENCE

Backend Developer

Amadeus

05 2023 - present

Nice, France

C, C++, Java, Docker, Kubernetes, MongoDB, Couchbase, Openshift, Podman.

Private Teacher

09 2019 - present

- Math:** Calculus, Probability, Statistics, Logic, Geometry, Algebra, Optimization.
- Physics:** Mechanics, Thermodynamics, Heat Transfer, Electromagnetism, Electric Circuits, Electronics, Electromagnetic Waves.
- Engineering:** Signals, Control Systems, Transmission Media.
- Computer Science:** Programming, Data Analysis, Internet of Things, Computer Architectures, Database, Algorithms, Data Structures, Artificial Intelligence, Security, Functional Programming, Internet, Networks, Operating Systems, Data Warehouse.
- Languages:** French, English, Spanish, Italian.

Mountain Guide

10 2021 - present

UniTrekking

Teacher assistant of *Probability and Statistics*

Politecnico di Milano

09 2022 - 02 2023

Milan, Italy

Teacher assistant of *Foundations of Computer Science*

Politecnico di Milano

09 2021 - 02 2022

Milan, Italy

- C
- Matlab

INTERESTS

Audio Editing

Cycling

Hiking

Language Learning

Self-Improvement

Teaching

Travelling

Video Making


PROJECTS

Skillogue |  | 


Social Network where people can meet according to their passions.

Schema Query Reverse Engineering | 

Schema mapping based on query reverse engineering.

NikiTranslator | 

Translator and language learning app. It can translate sentences into multiple languages per time, and it can help learning new languages by providing a dictionary of the words that the user typed the most.

Smart Bracelets | 

Prototype of IoT bracelets that checks the current location and status of a child.
