

FEDERICO GIANNO

Software Engineer

Detail-oriented Software Engineer adept at motivating self and others. Passionate about Optimization Methods, Cloud Computing, Machine Learning, Big Data and educate the next generation of technology users and innovators. Oriented toward challenges that require strong problem solving skills.

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📍 Berlin, Germany



WORK EXPERIENCE

Private Tutor

Computer Technology and Maths

Jan 2016 - Oct 2018 | Turin, Italy

- Provided private lessons, concerning maths and computer technology, to high school students.

Student Researcher

Politecnico di Torino - Associated with netgroup PoliTO

Nov 2018 - Apr 2019 | Turin, Italy

- Study and design data models for NFV and SDN architectures: proposed a new data format for the representation of all the most relevant information in the NFV and SDN contexts and implemented a RESTful web service that permits to store and retrieve the NFV/SDN information.

Software Engineer

Amadeus

Sep 2019 - Aug 2020 | Nice, France

- Created KPIs to monitor the different steps of the shopping and availability flows (100k TPS) of Amadeus customers. Worked on functional monitoring solutions, covering platforms ranging from backend development (C++/Python) to Hadoop, data storage (MySQL/Elastic Search/Couchbase) and access (REST API).
- Developed tools for the Amadeus Cloud Service. Gained knowledge about distributed computing, OpenShift/Kubernetes and Kafka.

Software Engineer

Elinvar

Sep 2020 - Now | Berlin, Germany

- Design micro-service, development and maintenance using Java 11, Kafka, PostgreSQL, Docker and Kubernetes.
- Design and build tooling to enable operational scaling and more effective processes and monitoring.

EDUCATION

Scientific High School P.N.I. - Math and Physics

High School Diploma, 93/100

2009 - 2014 | Noto (SR), Italy

Politecnico di Torino

Bachelor's Degree - Computer Engineering

2014 - 2018 | Turin, Italy

Politecnico di Torino

Master's Degree - Computer Software Engineering, 102/110

2018 - 2020 | Turin, Italy

NOTABLE PROJECTS



ESP32 Tracking System

Distributed system to gather, analyze and store data related to triangulation and analysis of mobile devices in buildings. The system sniff and analyze probe request packets sent by smart-phones that are looking for Wi-Fi connection.



Machine Learning

PCA applied on images and Naive Bayes Classifier to classify image. Validation, cross validation and grid search with multi class SVM. Convolutional Neural Network implementation from scratch in PyTorch on a big image dataset.



APPetit

Android food delivery APP. Developed three different apps: customer app (search restaurants and manage the orders), restaurant app (create and maintain the restaurant profile) and riders app (manage deliveries).

SKILLS

Problem Solving

Machine Learning

Meta-heuristic algorithms

C

C++

Software development

Python

SQL

Database Management

Java

Bash

LANGUAGES

Italian

English

French



HONOR & AWARDS



Swimming

Regional champion for 5 consecutive years • Five Italian national finals • Participated twice in international competition.



Hackathon

First place in "Hello BOT!": developed a Python telegram BOT • First place in "Like@Home": developed an home assistant for Cloud Speech-to-Text service.