

# 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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## WORK EXPERIENCE

### Software Engineer

#### Netlight

Sep 2021 - Now | Berlin, Germany

- | @Flink |

### Software Engineer

#### Elinvar

Sep 2020 - Aug 2021 | Berlin, Germany

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

### Software Engineer

#### Amadeus

Sep 2019 - Aug 2020 | Nice, France

- KPIs creation 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).
- Development of Amadeus Cloud Service tools using OpenShift/Kubernetes and Kafka.

### Student Researcher

#### Politecnico di Torino - Associated with Netgroup PoliTO

Nov 2018 - Apr 2019 | Turin, Italy

- State-of-the-art research in the NFV and SDN network architectures: research and development of a standard data-format and implementation of a Java RESTful web service that permits to store and retrieve the NFV/SDN information.

## EDUCATION

### Politecnico di Torino

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

2018 - 2020 | Turin, Italy

### Politecnico di Torino

#### Bachelor's Degree - Computer Engineering

2014 - 2018 | Turin, Italy

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

#### High School Diploma, 93/100

2009 - 2014 | Noto (SR), Italy

## PERSONAL 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.



### 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).



### 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.

## SKILLS

Problem Solving

REST APIs

C

Go

Software development

C++

Python

Meta-heuristic algorithms

Java

Bash

GCP

AWS

SQL

NoSQL

## LANGUAGES

Italian

Native or bilingual proficiency

English

Full professional proficiency

French

Elementary proficiency

## HONOR & AWARDS



### 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.



### Swimming

Regional champion for five years in a row • Five Italian national finals • Participated twice in international competitions.