Giacomo Bossi

Software Engineer - Radar System Engineer

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Work Experience

Software Engineer
Metasensing

📅 2020 - present   📍 Milan, Italy

Software Engineer with a particular focus on distributed computing, embedded systems and digital signal processing. I am part of the technology research and development team, engaged in software-hardware interaction and on the improvement of processing algorithms in Synthetic Aperture Radar systems.

Teaching Assistant
Politecnico di Milano

📅 2019   📍 Milan, Italy

Introduction to C Programming Course

Formal Education/Degree

M.Sc. Degree in Computer Science and Engineering
Politecnico di Milano

📅 2017 - 2020   📍 Milan, Italy

Erasmus Programme Computer Science and Engineering
NTUA - Εθνικό Μετσόβιο Πολυτεχνείο

📅 2018   📍 Athens, Greece

B.Sc. Degree in Computer Science and Engineering
Politecnico di Milano

📅 2013 - 2017   📍 Milan, Italy

Projects

DiNeSys - Distributed Neural Network System
(Python/C++)

📅 2018 – 2019

Exploiting the potentiality of the Apache Thrift and Tensorflow frameworks, DiNeSys - Distributed Neural Network System - is able to create a testing environment to automate the profiling of applications that use Deep Neural Networks in a Continuum Computing Scenario, where Mobile Edges and Cloud Servers work in a collaborative computing system scenario.

Bitcoin Cluster Aggregator
(Scala/Java)@Spark

📅 2018

🔗 https://github.com/gbossi/BitcoinClusterAggregator

Exploiting the potentiality of the Apache Thrift and Tensorflow frameworks, DiNeSys - Distributed Neural Network System - is able to create a testing environment to automate the profiling of applications that use Deep Neural Networks in a Continuum Computing Scenario, where Mobile Edges and Cloud Server collaborates in a collaborative computing system scenario.

Main Technical Skills

- **Distributed Systems**
  Apache Spark, Thrift, Hadoop
- **Digital Signal Processing**
  Digital signal modeling and processing in Python and Matlab
- **Embedded Systems**
  Low Level Communication and Protocols, Custom FPGA drivers
- **Distributed Computing**
  CUDA, Nvidia Thrust, OpenMP, MPI

Languages

Italian
Native or Bilingual Proficiency

English
Full Professional Proficiency

Greek
Limited Working Proficiency

Other Technical Skills

- C, C++ Programming Language
- Java, Scala Programming Language
- Python (Numpy, Scipy, Scikit)
- Docker Container Images
- Git Versioning
- Reverse Engineering and De-compiling

More Information

- **Personal Website**
  🔗 gbossi.github.io
- **Linkedin**
  in linkedin.com/in/giacomo-bossi
- **Github**
  ⌂ github.com/gbossi/