

BRANDO CHIMINELLI

EIT Digital MSc Student in Cloud and Network Infrastructures

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ABOUT ME

I'm an adventurer and an explorer, I love hiking and skiing in the beautiful Dolomites near where I live. I like to share my passions with my friends and my scout group, where I bring my competencies as a leader and grow new skills year after year.

Currently, I'm in the second year of my Master's at the KTH Royal Institute of Technology, studying Cloud and Network Infrastructures. I have always been interested and fascinated by new technological developments and the disruptive impact they have on our world, which is why my ambition is to pursue a career in the ICT field.

My main interests right now are in cloud computing, microservice architecture and machine learning.

PROJECTS AND EXPERIENCES

Master Thesis Researcher: Cloud cost optimization in Kubernetes through ML-based workload demand prediction

Spotify AB

📅 Jan 2023 – Jun 2023

📍 Stockholm, Sweden

For my master's thesis, I am researching how machine learning can be leveraged to optimize cloud costs in Kubernetes. The focus is on predicting the workload demand of an application, which can then be leveraged to proactively scale the application and minimize the unnecessary allocation of resources.

EIT Digital Summer School: Artificial Intelligence in Financial Services

Budapest University of Technology and Economics

📅 Jul 2022 – Jul 2022

📍 Budapest, Hungary

The EIT Digital Summer School is a two-week experience that brings together master students from all of Europe's major technical universities to work on business challenges with companies in groups. During the two weeks, I worked in a team to provide an AI-based solution aimed at speeding up the process of creating integration test scenarios for core banks' systems. The project was carried out in collaboration with Winikon (a Hungarian software company that implements cloud-based solutions for core banking system operations).

Start-up Lab: Develop of the entrepreneurial project KYR

Contamination Lab Trento

📅 Feb 2022 – May 2022

📍 Trento, Italy

Start-Up Lab is an interdisciplinary innovative learning environment, where teams of six work on the development of an entrepreneurial project supported by instructors and experienced mentors. During my experience I learned how to generate and implement new business ideas and how to validate ideas and present them successfully. KYR is the project that I developed with my team during Start-Up Lab.

EDUCATION

Double Master's Degree: Cloud and Network Infrastructure

University of Trento // KTH Royal Institute of Technology

📅 Sep 2021 – Jul 2023 📍 EIT Digital

Activities and societies: 150 ore, Start-Up Lab, School of Innovation

Bachelor's Degree: Information Engineering and Business Organization

University of Trento

📅 Sep 2018 – Jul 2021 📍 Trento, Italy

Grade: 110/110 cum laude

Activities: Samsung Innovation Camp

High School Diploma

Liceo Scientifico Jacopo Da Ponte

📅 Set 2013 – Jun 2018 📍 Vicenza, Italy

PROGRAMMING SKILLS

Python C C++ Java SQL
Javascript HTML/CSS OpenMP
MPI Git GitHub

OS SKILLS

Linux MacOS Windows

SOFTWARE SKILLS

- Container management
 - Docker
 - Kubernetes
 - OpenStack
- Virtualization
 - Vagrant
 - VirtualBox
 - VMware
- Elastic
 - Logstash
 - Elasticsearch
 - Kibana

LANGUAGES SKILLS

- Italian - Mother tongue
- English - Cambridge First Certificate FCE
- Spanish - B1

SimuTorino: Simulating 5G-enabled vehicular networks in a Turin urban context.

University of Trento

📅 Oct 2021 – Jan 2022

📍 Trento, Italy

The goal of the project was to simulate the traffic in an urban context and implement a 5G network that enables vehicular communications by using real data about the traffic flows and the position of the antennas.

Internship: Develop of the FIPIC digital archive

FIPIC

📅 Feb 2021 – Jun 2021

📍 Rome, Italy

FIPIC is the organisation that manages the practice of wheelchair basketball by athletes with physical disabilities. It is recognised by the Italian Paralympic Committee as a Paralympic Sports Federation. My activities were: development of a digital archive including data and documents of the Italian national wheelchair basketball team; development of the analytical visualisation interface of the records through the use of the Elastic Stack which consists of three open source frameworks (Logstash, Elasticsearch, Kibana); deployment of the whole project on a dedicated server.

Internship: Develop of IoT project

LUNACOM

📅 Jun 2017 – Jun 2017

📍 Vicenza, Italy

LUNACOM is a company that develops, designs and deploys ICT infrastructure solutions (networking, servers and client systems), adopting Virtualisation, Video-networking and VoIP. During my internship I developed, in a team of 4 students, an IoT project using Arduino with a DHT11 humidity and temperature sensor module and a Raspberry Pi3 where we installed Apache and MySQL DBMS. The goal of the project was to detect data of temperature/humidity from the sensor and send them to our MySQL Database. Also, data could be visualized via a web page, accessing the database.

VOLUNTEERING

Scout Member: AGESCI

B3

📅 Jan 2007 – Present

📍 Vicenza, Italy

The mission of Scouting is to contribute to the education of young people, through a value system based on the Scout Promise and Scout Law, to help build a better world in which people are self-fulfilling as individuals and play a constructive role in society. During my experience as a Scout leader, I have acquired leadership skills and learned the importance of being part of a movement.

Updated version of this document available at: Brando Chiminelli CV
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