

Alvise de' Faveri Tron

Computer Science and Engineering

MSc student

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About me

Dedicated and team-working Software Engineer striving for challenging objectives and eager to learn new things. Currently my main fields of interest are embedded systems, computer security and machine learning.

Experience

Software Engineer

Skyward Experimental Rocketry

October 2017 - Present

- Sounding rocket on-board software design and development (STM32, C/C++, custom RTOS)
- Software and Control Systems Team Leader since March 2020

Embedded Software Intern

OHB Italia SpA

March 2018 - August 2018

- Testing and validation of a satellite payload software (MWI - Microwave Imager, Metop SG satellite)
- Firmware development of the RFI mitigation module (C language)

Startup Co-Founder

Woofun Srl

March 2012 - March 2013

- Facebook application developed during high school
- 5000+ downloads on Android and iOS
- Presented the app at the ERStartup event in April 2013

Key Skills

Soft Skills

- Team Organization
- Communication
- Analytical Skills

Languages

- Italian
- English
- French

Programming

- C/C++
- Java
- Python
- Scala
- Javascript

Tools

- Git
- LaTeX
- Linux
- AWS Lambda
- Keras

Education

MSc in Computer Science and Engineering

Politecnico di Milano, Milano, Italy

September 2018 - Ongoing

Focused on Embedded Systems, IoT, Compilers and Computer Security.

Exchange Program

EISTI (ADEO M2), Cergy, France

September 2019 - January 2020

Data Mining, Graph Mining and Machine Learning projects.

BSc in Engineering of Computer Science

Politecnico di Milano, Milano, Italy

September 2013 - July 2018

Enrolled for the first three years in the Electronics Engineering course.

High School Exchange Program

Palm Beach Currumbin, Brisbane, Australia

July 2012 - December 2012

Spent 6 months in Australia as part of an Exchange program during high school.

Projects

Beyond Common Ideas

BCI is a collective of artists, developers and djs from Bologna born in 2011. Throughout the years we have realized many hardware and software projects, ranging from interactive light shows to projection mapping installations.

Network Intrusion Detection with Neural Networks

This project was developed at EISTI in collaboration with the Gendarmerie. The NIDS is implemented with a simple feed-forward Neural Network developed in Keras and Tensorflow and tested against the NSL-KDD dataset.

Quick Ideas

Web Application hosted on AWS that enables to write words on a projection screen from the phone.

Smart Interphone

IoT smart device developed with Contiki, MQTT and NodeRed.