Alvise de Faveri Tron

Computer Science and Engineering
MSc student

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About me

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

Experience

Software Engineer

Skyward Experimental Rocketry
October 2017 - Present

- Rocket 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 218 - August 2018

- Testing and validation of a satellite payload software (MWI - Microwave Imager)
- 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	Languages	Programming	Tools
• Team Organization	• Italian	• C/C++	• Git
• Communication	• English	• Java	• LaTeX
• Analytical Skills	• French	• Python	• AWS Lambda
		• Scala	• Keras

Education

MSc in Computer Science and Engineering

Politecnico di Milano, Milano, Italy
September 2018 - Ongoing

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

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 Commond Ideas
BCI is a collective of artists, developers and djs from Bologna born in 2011. Troughout 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
Network security project 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, used for writing text from multiple sources into multiple projection screens.

Smart Interphone
IoT smart device developed with Contiki, MQTT and NodeRed.