

Alvise de' Faveri Tron

Computer Science MSc

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About me

Team working and self-motivated software engineer with previous experience in the aerospace industry. Currently focusing on cybersecurity and binary analysis.

Experience

Decompiler Intern

rev.ng

September 2020 - Present

- Development of a plugin for symbolic execution, based on clang-static-analyzer
- Development of an LLVM pass to recover types from stripped binaries

Software Team Lead

Skyward Experimental Rocketry

October 2017 - September 2020

- Rocket software design and development (STM32, C/C++, custom RTOS)
- Team organization and code quality control

Embedded Software Intern

OHB Italia SpA

March 2018 - August 2018

- Testing and validation of a satellite payload software (MWI - Microwave Imager)
- Firmware development of the RF interference mitigation module (bare metal)

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

Programming

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

Technologies

- STM32
- AWS
- Keras
- Django
- LLVM

- Git

Languages

- Italian
- English
- French

Education

MSc in Computer Science and Engineering

Politecnico di Milano, Milano, Italy

September 2018 - Ongoing

Embedded Systems, IoT, Computer Architectures and Compilers.

Exchange Program

EISTI (ADEO M2), Cergy, France

September 2019 - January 2020

Program focused on Data Analysis and Machine Learning.

BSc in Engineering of Computer Science

Politecnico di Milano, Milano, Italy

September 2013 - July 2018

Enrolled for the first two 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.

Troughout the years we have realized many hardware and software projects, ranging from interactive light shows to projection mapping installations.

blinkmilano.com

During the first COVID-19 pandemic together with some friends we rushed to set up a software infrastructure to help supermarkets with their deliveries. The startup that originated the project is blink, for which I helped setting up the IT infrastructure and the software development and testing pipeline.

Network Intrusion Detection with Neural Networks

Network security project developed at EISTI in collaboration with the French Gendarmerie.

Quick Ideas

Web Application hosted on AWS, used for writing text from multiple sources into multiple projection screens.