
Alessio Giovannini

Curriculum Vitae

Profile

Born in 1994. I'm in love with anything related to Computer Science. My final goal is work in cybersecurity field, in Blue Team. In free time I like improve my knowledge of Linux, Low level programming and play CTF

<https://solifugo.dev>

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PGP Fingerprint: [BBCE F5B5 30CF 38C5 D3A3 FB7C B4F9 D2DE 102B D105](#)

Experiences

Thesis Project || BluePill || 07/2021 -Today

For my bachelor's thesis I working on extension for [BluePill](#), an open-source dynamic analysis framework for handling evasive malware. More in detail I'm working on

- Windows 10 compatibility
 - WOW64 layer for 32-bit malware and check on Win7 64-bit what is not working on current codebase
 - support 64-bit malware natively
- IDA Pro plugin for integration with debugger
 - check native IDA debugging sessions on simple programs and see what is missing on the PinADX interface of BluePill (e.g., segments)
 - implement Python scripts with IDA SDK so as to synchronize the internal state of Pin (e.g., segments, loaded libraries, etc.) with debugger, and any other information that we would like to present the user with

Volunteer Project || SapienzaStudentsProject || 04/2019 -Today

Pushed by the lack of accessible and central information and tools of my faculty, focused on the student needs I developed [sapienzahub.it](#)

The project is composed of a website where students can find info, tools and resources about the Computer Science course at La Sapienza.

The website is built with Hugo, hosted on GitLab Pages3 other students contributed

Project Repository: <https://gitlab.com/sapienzastudents>

Key Technologies: Hugo, HTML 5, CSS 3, Git, GitLab Pages

Education

Bachelor's Degree in Computer Science || La Sapienza || 2015 -Today

Algorithms and data structures, network and computer's architecture, the functioning of operating systems and relational database theory.

For some courses I did project, which are consultable at <https://gitlab.com/solifugo/uniproj>

High school degree in Chemical and Biology Technician || Armando Diaz || 2008 -2014

Bases of chemistry and Biology, Laboratory procedures

Skills

- Python
- C
- C++
- Assembly x86
- Javascript
- HTML 5 & CSS 3
- Git
- Static & dynamic Malware Analysis tools
- Hugo framework
- Linux command line
- Hardware knowledge
- Office Suite

Languages

Italian	Native
English	B1

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