Matteo Maso
Software Engineer

SUMMARY

Inspired by science to improve people's life and the environment, I'm a software engineer with a wide interest range and a background in fast prototyping tech solutions.

EXPERIENCE

Full Stack Software Engineer, Khymeia
Apr 2020 – Jul 2021, Padua IT

- Developed an application to evaluate and treat hand shaking of Parkinson Patient through filtered virtual reality – Unity, C#, sensing gloves.
- Developed a body direction screen tracker system for an immersive 360 treadmill platform – C#, magnetic sensors, DC motor controller.
- Developed a smartphone app to evaluate and train people's memory and fingers reactions time – Xamarin, Json, WPF, Android.
- Managed the fast development of 150 cognitive exercises for financial capabilities performance evaluation and train – WPF, C#, Google Sheet.

Research Software Engineer Internship, NEC
Sep 2018 – Apr 2019, Heidelberg DE

- Studied all main permission-less blockchain technology focusing on security and storage usage.
- Developed a Python parser for a data redundancy analysis on Bitcoin data
- Designed and tested a Bitcoin compression algorithm that reduces the storage space requirement up to 45% - Python, compression algorithms, Latex.

PROJECTS

Ayuppie.com - Chief Data Officer   Oct 2019 - Apr 2021

- Worked on the initial social media presence throughout the creation of a landing page, setup mail-chimp and Google analytic to track user experience and performance. Achieved 100 users subscriptions of waiting list.
- Designed thinking from the Idea of the startup to the first crowdfunding reaching an investment of 150K.

DaPrette - Automation Engineer   Sep 2019 – Feb 2020

- Teached Python and coaching about machine automation.
- Built elettronic control and Control interface of a "drink machine" and an industrial oven – Python, Raspberry Pi.

EDUCATION - UNIPD

Computer Engineering – 108/110   2016 - 2019
Thesis: "Study and Implementation of Blockchain compression"

Information Engineering – 91/110   2013 - 2016
Thesis: "Study and implementation of a Software Defined Network based on OpenFlow"

Contact

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Skills & Competencies

Technical
- C#, Python, C++, Javascript, Java
- MVC, Singleton pattern
- Blockchain, Unity, Firebase, GIT, Linux
- Security and Privacy mindset

Transversal
- 360 vision
- value-driven
- Design thinking, OKR
- Innovation

Languages

Italian (native)
English (professional)

External Courses
- Applied Web Application security, Erasmus online
- Development path of Transversal competences, Performando