CV | MARCO ROMANELLI
SOFTWARE ENGINEER

CONTACT

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ABOUT ME

Versatile person, focused and eager to learn every subject available, including those outside my professional sector, with a strong passion for cybersecurity, data privacy and cryptocurrencies.
Professional background work in the engineering consulting industry and academic sector. Experience with Python, JavaScript, Docker, between others.

EXPERIENCE

November 2019 – Ongoing
Software Engineer @ Ecole polytechnique fédérale de Lausanne (Lausanne area, Switzerland)
• Design, development and maintenance of NewsTeller (newsteller.lsir.ch) platform in close collaboration with research staff.
• Development of MoZuMa (github.com/mozuma): model zoo for multimedia application (python library)
• Support research staff to the transition of research prototypes into production-grade software tools.
• Technologies used: Python, React.js and Node.js (MERN stack), Elasticsearch, Docker, Ansible.

March 2018 – March 2019
Research Software Engineer @ AKKA Technologies (Paris area, France)
One month's training in Geneva on technology consultancy and market analysis followed by on-site work at the innovation department.
• Implemented monocular vSLAM algorithms from literature for an autonomous drone.
• Wrote C++ ROS nodes, contributed to Python robotic software stack.
• Trained and tested deep learning modules for image recognition in aerial images and videos.
• Completed a prototype for a machine learning application with Python and Docker.

EDUCATION

Oct 2014 – Dec 2017
Master's degree in Computer Science @ University of Padova (PD, Italy)

Sep 2010 – Oct 2013
Bachelor's degree in Computer Science @ University of Udine (UD, Italy)

TECHNICAL SKILLS

Languages > Python, JavaScript (React.js, Node.js)
Tools > Git, Docker, Ansible, Linux, shell scripting
Basics > HTML5/CSS, machine learning, cybersecurity

LANGUAGES

Italian > native

English > full professional proficiency

French > limited working proficiency