CV | MARCO ROMANELLI
SOFTWARE ENGINEER

CONTACT

Location > Udine, Italy (remote)

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ABOUT ME

Versatile and motivated professional with a strong passion for continuous learning, both within and outside my professional sector. Experienced in the engineering consulting industry and the academic sector. Proficient in Python, JavaScript, Docker, and more.
Passionate about applied machine learning, data privacy, cybersecurity, and cryptocurrencies.

EXPERIENCE

November 2019 - November 2022
Software Engineer @ Ecole polytechnique fédérale de Lausanne (Lausanne, Switzerland)
• Designed, developed and maintained NewsTeller, a research-driven platform to analyze news, in close collaboration with research staff (github.com/News-Teller).
• Contributed to the development of python library MoZuMa: model zoo for multimedia application (github.com/mozuma).
• Collaborated closely with research staff to transition research prototypes into production-grade software tools.
• Utilized technologies such as Python, React.js, Node.js, Elasticsearch, Docker and Ansible.

March 2018 - March 2019
Research Software Engineer @ AKKA Technologies (Paris, France)
 • Completed one month of technology consultancy and market analysis training in Geneva followed by on-site work at the innovation department.
• Implemented monocular vSLAM algorithms for an autonomous drone, improving its navigation capabilities.
• Developed C++ ROS nodes and contributed to the Python robotic software stack.

EDUCATION

Oct 2014 - Dec 2017
Master's degree in Computer Science @ University of Padua (Padua, Italy)

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

TECHNICAL SKILLS

Languages > Python, JavaScript (React.js, Node.js)
Tools > Git, Docker, Ansible, Linux, shell scripting
Additional skills > HTML5/CSS3, REST API, basic machine learning (Pandas/NumPy/PyTorch/Scikit-Learn)

LANGUAGES

Italian   > native
English > full professional proficiency
French   > limited working proficiency

LATEST OPEN-SOURCE CONTRIBUTIONS

Goose3   > fix schema extractor
Tensorboard > bug fixes for the embedding projector
ruTorrent   > update Italian language