CV

MARCO ROMANELLI
SOFTWARE ENGINEER

CONTACT

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ABOUT

Versatile software engineer with experience in the engineering consulting industry and the academic sector. Proficient in Python, JavaScript, and Docker, with hands-on experience in data science. Demonstrated successful collaboration at EPFL in the design and maintenance of the NewsTeller platform. Proven adaptability to new technologies and a quick learner. Passionate about data privacy, cybersecurity, and applied machine learning.

EXPERIENCE

Software Engineer
Ecole polytechnique fédérale de Lausanne

November 2019 - November 2022
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 open-source library MoZuMa: an for multimedia search applications (github.com/mozuma).
• Collaborated closely with research staff to transition research prototypes into production-grade software tools.
• Tech stack: Python, React.js, Node.js, Elasticsearch, Docker and Ansible.

Research Software Engineer
AKKA Technologies

March 2018 - March 2019
Paris, France

• Received one month training in Geneva on technology consultancy and market analysis.
• Implemented monocular vSLAM algorithm for an autonomous drone, improving its navigation capabilities.
• Developed C++ ROS nodes and contributed to the Python robotic software stack.

EDUCATION

Master's degree in Computer Science – University of Padua

Oct 2014 - Dec 2017
Padua, Italy

Bachelor's degree in Computer Science – University of Udine (Udine, Italy)

Sep 2010 - Oct 2013
Udine, Italy

TECHNICAL SKILLS

Programming	Python, JavaScript/TypeScript
Back-end & Front-end	Node.js (Koa, Express), REST API, React.js, Flask, Django, HTML5
DevOps	Docker, Ansible, Terraform
Additional skills	basic Data Science (Pandas, 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