Giacomo Amante

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Robotics Engineering background, professional experience as Software Engineer, interested in Artificial Intelligence and Machine Learning

Work Experience

SEP 2018 CURRENT	**Software Engineer (C/C++, GNU/Linux, Windows, Backend)** **Murex** Paris, France Murex is an international fintech company that provides a platform for integrated trading, risk management and treasury. In an Agile (SAFe) and international (Paris, New York, Beirut) environment, I am working as Software Engineer in a feature team, delivering smart technological solutions for capital markets. **Technologies:** C++11 with STL, Boost, Reflect and Hibernate libraries, C, SQL, Fitnesse, GTest **Tools:** Perforce, Git, Jenkins, Bitbucket, Jira, Confluence
JAN 2017 JULY 2018	**Software Developer and Consultant (C++, GNU/Linux, Backend)** **Amadeus IT Group**, as external consultant (ALTEN) Nice, France Amadeus provides search, pricing, booking, ticketing and other services in real-time to travel providers (airline and rail companies, hotels) and travel agencies. Within this context, I worked as Software Developer on topics like fraud detection (Amadeus Booking Intelligence), availability computation and booking management. **Technologies:** C++11 with STL and Boost libraries, GNU/Linux, GTest **Tools:** Mercurial, Git, Jenkins, Bitbucket, Jira, Confluence
JAN 2016 DEC 2016	**Master Thesis and Startup Guest (Collaborative Robotics)** **MERLIN Lab @ PoliMi / Smart Robots** Milan, Italy In the framework of Safe Human-Robot Cooperation, the thesis objective was to design a supervisor to enhance the robot's perception of the surroundings, giving it advanced cognitive skills to improve work processes where humans and robots work side by side. This was achieved using 3D cameras, Sensor Fusion and Artificial Intelligence algorithms. The thesis was developed in cooperation with **Smart Robots**, a Milan-based startup which specializes in developing AI solutions for Industrial Robotics. **Technologies:** C++11, MATLAB, Microsoft Kinect, Robot Studio, ABB YuMi, UR5 **Domains:** Collaborative Robotics, Artificial Intelligence, Algorithms, Computer Vision

Certifications

JUL 2018	**Machine Learning**, STANFORD UNIVERSITY provided on COURSERA
AUG 2018	**Deep Learning Specialization**, DEEPLEARNING.AI provided on COURSERA
FEB 2019	**LFS103x: Introduction to Apache Hadoop**, THE LINUX FOUNDATION provided on EDX

Education

2010 2016	**Politecnico di Milano**, Milano, Italy **BSc** and **MSc** in AUTOMATION AND CONTROL ENGINEERING final grade: 110/110
SPRING 2016	**Telecom ParisTech**, Paris, France **Athens** programme in EMERGENCE IN COMPLEX SYSTEMS
SUMMER 2015	**St. Petersburg Polytechnic University**, Saint Petersburg, Russia **Summer School** programme in 3D PRINTING AND DIGITAL FABRICATION

Languages

Italian, English, French

Interests and Activities

Lifelong Learning, Technology, Robotics, AI/ML, Algorithms, Open-Source, Travelling, Jogging