

GIACOMO AMANTE

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Robotics Engineering background, professional experience as Software Engineer, interested in Artificial Intelligence, good Software Design and Algorithms

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 environment (Paris, New York, Beirut), I am working as Software Engineer in a feature team, delivering smart technological solutions for capital markets. Technologies: modern C++ with STL, Boost, Reflect and Hibernate libraries, C, SQL, TDD with Fitnesses and 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: modern C++ with STL and Boost libraries, 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: modern C++, 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 , DEEPLARNING.AI provided on COURSERA
FEB 2019	LFS103x: Introduction to Apache Hadoop , THE LINUX FOUNDATION provided on EDX

EDUCATION

2010	Politecnico di Milano , Milano, Italy	
2016	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 (mother tongue), English (fluent), French (fluent)

INTERESTS AND ACTIVITIES

Lifelong learning, Software Design and Practices, Algorithms, AI, Technology, Robotics, Traveling, Jogging