Giacomo Amante

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Work Experience

Sep 2018 Current	**Software Engineer (C++, Linux/Windows, Backend)** **Murex** — Paris, France Murex is an international fintech company that provides a platform for integrated trading, risk management and treasury. - Part of a distributed team owning the Collateral Management & Operations modules - Developed a new Liquidity Management module from scratch using TDD techniques - Member of the community responsible for building CI/CD tools **Stack:** C++, Java, Groovy, Git, P4, Jenkins, Docker, Kubernetes, Bitbucket, Jira, SAFe
Jan 2017 July 2018	**Software Developer and Consultant (C++, 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 and travel agencies. - Part of a distributed team responsible for the Sell Process Orchestration - Worked on fraud detection, availability computation and booking lifecycle management - Client support, evolutive and corrective maintenance **Stack:** C++, Boost, Googletest, Mercurial, Git, Jenkins, Bitbucket, Jira
Jan 2016 Dec 2016	**Master Thesis (Collaborative Robotics, Computer Vision, AI)** **Smart Robots / MERLIN Lab @ PoliMi** — 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 using 3D cameras, giving it advanced cognitive skills to improve work processes where humans and robots work side by side. The thesis was developed in cooperation with **Smart Robots**, a Milan-based startup which specializes in developing AI solutions for Industrial Robotics. **Stack:** C++, MATLAB, Microsoft Kinect, Robot Studio

Lifelong learning

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 (mother tongue), English (fluent), French (fluent), Japanese (notions)

Interests and Activities

Traveling, Jogging, Lifelong learning, Video-games, Technology, AI, Robotics, DevOps Automation