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EDUCATION	Université de Technologie de Compiègne (UTC) Master of Science in Computer Engineering Specialty embedded and real-time computer systems Relevant courses: Embedded Real-Time Systems Distributed Systems and Algorithms Databases Design	Compiègne (France) Sept 2013 - Sept 2018 Advanced Automatic Control Algorithmics and Data Structures Object-oriented Programming and Design
	Università degli studi di Genova (UNIGE) - UTC European Master in Engineering for Complex and Interacting Systems (EMECIS) Relevant courses: Cybersecurity Data Analysis and Data Mining	Genoa (Italy) Sept 2018 - Sept 2019 Technologies for Wireless Networks Software Architecture for Robotics
EXPERIENCE	CorWave SA <i>Firmware Engineer Intern – Team Product Electronic Development</i> • Developed the real-time critical firmware of a heart assist pump on MATLAB® and Simulink® • Implemented the necessary features for the first heart-synchronizing prototype used on acute animal tests • Set up Software Engineering practices and the baselines of the SCRUM framework	Paris (France) Feb 2017 – July 2018
	RIMES Technologies <i>Application Developer Intern – R&D Team</i> • Maintained and implemented new core features on an Excel add-in • Worked on both front-end and back-end of the application in the .NET environment by using C# and XAML • Created a Business Object “Bulk Creation” feature for internal use that would spare more than half of their individual creation time	Paris (France) Sept 2016 – Feb 2017
	Rescue center of Vic-sur-Aisne <i>Volunteer Firefighter - Grade Corporal</i> • Intervene in the fields of emergency medical assistance, firefighting, vehicle crashes and diverse missions (natural disaster, rescue of humans and animals...) • Lead a two-person team for all the missions	Vic-sur-Aisne (France) Aug 2010 - present
LEADERSHIP	Jazz collective Ocata of the UTC <i>President</i> • Led a restructuration and cultural change • Organized a musical trip project for 20 members in Hamburg with the core responsibilities of finding a partner orchestra, accommodation, insurance, transportation as well as establishing a budget balance and finding sponsors	Compiègne (France) Sept 2015 – Sept 2016
PROJECTS	Design and implementation of an ADAS • Created a self-parking system which took control of a remote-control car when it detects that the driver is unable to drive (heart attack or other factors) • Deployed ROS on Raspberry Pi, Arduino and smartphone	Seoul, Korea Oct - Dec 2017
	Android applications • Developed an Android application of storage management for the Friendship Association of Vic/ Aisne’s firefighters • Developed an Android application for recycling awareness at the Global Hackathon in Jeju 2017 (teamleader of 6 people and android developer)	Feb 2016 – present Oct 2017
SKILLS	Programming Languages: C#, Simulink®, Java, C, C++, HTML, PHP, MySQL Languages: French (fluent), Swedish (fluent), English (advanced, score TOEIC 2017: 990/990), German (confirmed), Italian (beginner)	
INTERNATIONAL	Kookmin University (KMU): exchange student Technische Universität Wien (TUW): Erasmus+ program	Sept - Dec 2017 Feb - Jun 2015
ACTIVITIES	• Music conservatory Paul Dukas: certificate of musical study (CEM) in Saxophone passed with honors • Parkour: member	2001- 2013 Since 2018