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## Research and Development Engineer

### Overview of skills

Software solutions	Data contextualization (ontologies), Docker, Cosimulation (FMI standard)
Programming skills	C/C++, distributed computing, OpenMP, Boost MPI, Intel TBB, Linux/MacOS systems
A. I.	Multiagent systems, semantic web, reinforcement learning, knowledge compilation, stochastic processes, Bayesian networks, Markov decision processes, distributed A.I.
Data science	Association rule learning, clustering, sequential pattern mining

### Diplomas

2014 - 2017	Ph.D. in "Ethical judgment for decision and cooperation in Multiagent Systems", École des Mines de Saint Étienne, France
2012 - 2014	Master's degree in Computer Science, specialization in Decision and Optimization, research track, University of Normandy
2010 - 2012	Bachelor degree in Information Technologies, University of Normandy
2008 - 2010	2-year technical degree in Electrical Engineering and Applied Computing, University of Technology Cherbourg-Manche

### Work experience

2021 - 2022	Consultant R&D at Capgemini Engineering. Mostly working for Merck KGaA on Industry 4.0 cloud solutions design
2018 - 2021	Postdoc position funded by the ERC Horizon 2020 research and innovation programme BEHAVE (grant agreement No. 724431). Design of agent-based models for simulations and policy evaluation
2017 - 2018	Postdoc position in École des Mines de Saint Étienne in collaboration with Telecom Sud Paris. Exploring security of AES encryption versus DPA attacks on next-generation GPON networks equipment
2014 - 2017	Ph.D. in École des Mines de Saint Étienne, funded by the ANR project ETHICAA
April - May 2012	Analysis of the American SCADA system "EPICS" for the "SPIRAL2" project (extension of the national large ion collider named "GANIL") - Atomic Energy and Alternative Energies Commission (CEA) / Division of Sciences of Matter (DSM)
April - June 2010	Design of a high-speed and high-definition acquisition device for the Linear Collider Laboratory of Orsay - National Center for Scientific Research (CNRS) / National Institute of Nuclear and Particle Physics (IN2P3).

### References

Prof. Dr. Chorus	Full Professor, Coordinator of ERC BEHAVE H2020 project, head of Engineering Systems and Services Dept at TPM faculty, TU Delft +31 (0)1 52 78 85 46, c.g.chorus@tudelft.nl
Prof. Dr. Boissier	Thesis advisor, Full Professor, Computer Science dept at Mines Saint-Etienne +33 (0)4 77 42 66 14, olivier.boissier@mines-stetienne.fr Home page : <a href="http://www.emse.fr/~boissier/">http://www.emse.fr/~boissier/</a>
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