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# TOM SCHMITZ

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WWW.TSMITH.EU

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## SKILLS

Fluent English, German, French and Luxembourgish

Good programming skills in multiple languages (matlab, C++, java, etc.) and innovative mindset towards problem solving.

Team player, likes to enlighten, connect and support

Responsible and Open-minded

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## EXPERIENCE

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### FSTC UNI LUXEMBOURG / RESEARCH ASSISTANT

September 2011 – March 2013

Supporting the PhD Students and Dr. Ing. Danielle Waldmann in the laboratory of constructional materials. Data and sensor analytics.

### RUES UNI LUXEMBOURG / RESEARCH ASSISTANT

August 2015- November 2015

Associate of Dr. Rafiq Ahmad in the Engineering Research Unit under Prof. Dr.-Ing. Peter Plapper. Designing the knowledge base for future robot-human collaboration and conceptualizing the strategy to implement artificial Intelligence.

### LCSB/LSRU UNI LUXEMBOURG / RESEARCH ASSISTANT

September 2016 – Spetember 2018

Supporting Dr. Andreas Girod and Aymeric Fouquier d'Herouël at the Light Microscopy Facility developing new microscopy technologies.

### CARGOLUX AIRLINES INTERNATIONAL SA. / INTERNSHIP

August 2010

Intern in Technical Procurement.

### DUPONT DE NEMOURS S.A.R.L.

April 2017 – September 2017

Engineering Internship, Project support for construction of a research plant/facility. Reference: Besch Joël.

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## EDUCATION

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### ACADEMIC BACHELOR IN SCIENCE AND ENGINEERING 2015

University of Luxembourg

Specialization in Computer science with Bachelors thesis project: "Manipulation of online voting systems via exploitation of Bayes spam filters"

Reference: Sjouke Mauw, University of Luxembourg

### MASTER OF SCIENCE IN SUSTAINABLE PRODUCT CREATION - 2018

University of Luxembourg

Advanced Project: Drone-Robot Control (Aerial manipulator load estimation)

Masters thesis project: "Assembly Tracking and Scheduling Improvement for Assembly Lines based on RFID technology"

Reference: Meysam Minoufekr. Univeristy of Luxembourg

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## VOLUNTEER EXPERIENCE OR LEADERSHIP

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Part of the solar boat racing team of LMRL. Price for most efficient and highest payload model in Koblenz (2009/Görlitz Foundation)

Vice President of the Parkour Luxembourg A.s.b.l (www.pklux.org)

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