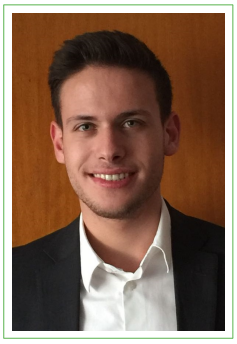

Marc Berneman

Electrical, Modeling and Control Engineering

Education

2020–2021 **Advanced Master**, *Nuclear Engineering*.
Belgian Nuclear higher Education Network

2018–2020 **Master of Science**, *Electrical Engineering majoring in measuring, modelling and control*, GPA – 93%, Summa Cum Laude (With Highest Distinction).
Vrije Universiteit Brussel

2015–2018 **Bachelor of Science**, *Electrical Engineering*, GPA – 79%, Magna Cum Laude (With High Distinction).
Vrije Universiteit Brussel

Work

July–September 2020 **Machine Learning Engineer Student Job**, *ETRO lab at VUB*.
Machine learning and big data for disinformation monitoring. I gained experience in Linux, Docker, BERT machine learning models for natural language processing and much more.

Internship

July–September 2018 **Investigating the advantages and disadvantages of small 120 GHz radar**, *Fraunhofer Institute for High-Frequency Physics and Radar Technologies (Bonn, Germany)*.
I was given a lot of freedom during this internship. Thanks to the help of my supervisor, I was able to design good experiments that gave me very clear results. Most of all I learned that an experiment needs to focus on 1 thing you want to investigate and that it is important to gather all the possible data, even if some of the data seem to be unnecessary at first.

+32470517678 • marc.berneman@outlook.com

Honours

September 2020 — **Best master thesis prize**, *Brussels Engineering Alumni (BrEA)*.

Publications

28 October 2020 — **Modeling and Control of 5-DoF Boom Crane**, *37th International Symposium on Automation and Robotics in Construction (ISARC 2020)*, Ambrosino, M., Berneman, M., Carbone, G., Crépin, R., Dawans, A., & Garone, E..

Teaching Experience

September 2019 – present — **University level tutoring in Maths and Analog Electronics**.
Tutoring 2 university students at the Free University of Brussels.

September 2017 – July 2018 — **Private high school tutor in Maths and Sciences**, *Het Bijlesbureau*.
I love teaching. I have helped multiple friends with their maths and science courses. Often times my classmates come to me for explanation, and it is always a pleasure to help them.

Additional Skills

Word processors — Microsoft Office, LaTeX

Programming languages — C++, Assembly, Java, VHDL, Python, MATLAB, Microcontroller programming

Languages

Dutch	**Mother language**	*Language in which my Bachelor degree was taught*
French	**Mother language**	
English	**Excellent**	*Language in which my Master degree was taught*
Hebrew	**Conversationally fluent**	
German	**Basic**	*30 hour A1 level course*