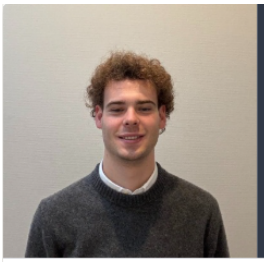

William Jaques

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Education

Industrial Engineer: Electromechanics, major Mechanics 2020 - Present
Ugent, Ghent
The electromechanics program focuses on machine construction in the broadest sense of the term. It covers various aspects essential to designing and building modern machines and structures, such as material usage, advanced shaping, design, and simulation techniques. The program emphasizes innovative, problem-solving, and application-oriented thinking and working rather than merely using and/or implementing known technologies. Economic and ecological realities are also taken into account.

Science and Mathematics Sep 2017 - Jun 2019
Sint-Jozefsinstituut, Torhout
CLIL (Content and Language Integrated Learning, English)

Latin Sep 2013 - Jun 2017
Sint-Jozefinstituut, Torhout

Employment

Assembly
Deprez Construct, Kortemark
Assembly of various machines and steel structures based on 2D and 3D CAD plans. Installing machines and performing repair work on-site

Warehouseman
Drankmart, Ichtegem
Sorting and restocking the warehouse

Vehicle Dynamics Engineer
UGent Racing Formula Student Team, Ghent
As a Vehicle Dynamics Engineer in a Formula Student team, the role involved optimizing the car's handling, stability, weight reduction, and overall performance through a combination of computer-aided design (CAD), computer-aided engineering (CAE), and multibody dynamics (MBD) simulations. The main task was the design and optimization of the suspension geometry using CAD software, Siemens NX, ensuring that the suspension components met essential parameters. In addition to design work, performing structural analysis (FEA) on suspension components to ensure strength and lightweight optimization was also part of the role. The job also involved performing multibody dynamics (MBD) simulations to analyze the car's overall behavior. These simulations provided valuable insights that helped optimize vehicle dynamics and weight savings, ultimately enhancing the car's performance on the track.
Working in a Formula Student team also enhances interpersonal skills. Teamwork in a Formula Student team is highly collaborative, with engineers from various disciplines working together to design, build, and test the car. Team members coordinate closely to solve problems, integrate subsystems, and optimize performance while balancing cost and safety. Regular communication is key to obtaining a well-coordinated team and creating a competitive car.

Personal details

Date of birth
June 21, 2001

About Me
I am a driven, enthusiastic, competitive engineering student in electromechanics. Exploring how mechanical components work and fit together is my passion. I love solving problems or finding a completely different way to achieve something. Besides science, sports are also one of my biggest interests.

Technological Skills

- CAD, Siemens NX
- CAE (FEM), Siemens NX
- MBD, Siemens NX
- Heidenhain iTNC530
- Siemens Sinutrain V4.95

Languages

- Nederlands
- Engels
- Frans