



Astrid Vos

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Professional Summary

Motivated MSc student in Control Engineering and Automation with leadership experience as Team Captain at UGent Racing. Demonstrated expertise in automotive engineering, team management, and public speaking.

Education

Ghent University MSc in Control Engineering and Automation	<i>Sep 2023 – Expected: Sep 2025</i>
Ghent University BSc in Electromechanical Engineering	<i>Sep 2020 – Sep 2023</i>
International School Basel International Baccalaureate	<i>2018 – 2020</i>
<i>Activities: Model United Nations, Duke of Edinburgh Award (Silver), Founded a Language Clinic</i>	
Previous Education in UAE, UK and Switzerland	<i>...– 2018</i>

Professional Experience

UGent Racing <i>Team Captain</i>	<i>Sep 2022 – Present</i> <i>Sep 2024 – Present</i>
<ul style="list-style-type: none">• Led a team of 95 students across technical and business domains.• Delivered impactful speeches to audiences of over 1,000 attendees.• Recruited and onboarded 100 students through rigorous selection processes.• Developed a 4-year technical roadmap, introducing custom in-wheel motors, BMS, and a monocoque.• Restructured the organization and established efficient team workflows.• Coordinated theses and bachelor projects to align academic work with team goals.	
<i>Co-Captain</i>	<i>Sep 2023 – Sep 2024</i>
<ul style="list-style-type: none">• Ensured financial stability by securing an annual budget of €450k through partnerships and sponsorships.	
<i>Pedalbox Engineer</i>	<i>Sep 2022 – Sep 2023</i>
<ul style="list-style-type: none">• Designed and built the pedalbox for a race car to compete against global student teams.	
Student Job	<i>2019 – 2021</i>
Le Pain Quotidien and Laguna Tennisclub, mainly in the summer.	
Mathematics Tutor	<i>2019 – 2020</i>
Private tutoring once a week.	

Academic Interests

Thesis: Digital Twin of a Racecar

Creating a digital twin framework using synthetic data with the goal to adapt vehicle simulations and actions in real-time.

Favourite Subjects

Modelling and Control of Dynamical Systems, Computer Science, ICT and Mechatronics, Electrical Drive Technology, Computer Control of Industrial Processes

Skills and Languages

Skills

TIG Welding, 3D Printing, Siemens NX, SOLIDWORKS, Python, Matlab (Simulink)

Languages

Dutch (Native), English (Native), French (Limited Working Proficiency), German (Elementary)