



ROBBE PAEPEN

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Passionate bioscience engineering student specializing in environmental technologies, with experience in sustainability, research, and ocean ecosystem conservation. Dedicated to innovative solutions for resource efficiency and climate change mitigation.

WORK EXPERIENCE

JUL 2023

UNIVERSITY OF ANTWERP, A-PECS RESEARCH GROUP

Preparing and testing metal-TiO₂ photo-catalysts for the potential breakdown of PFOS and PFOA using HPLC and UV-vis for PFAS quantification.

AUG 2022 -
SEP 2022

UNIVERSITY OF ANTWERP, SUSTAIN RESEARCH GROUP

Maintenance, sampling and analysis of a bio-trickling filter used for nutrient cycling of agricultural runoff/waste.

SEP 2017 -
PRESENT

CLEANING MASTERS NV

Industrial cleaning of car garages, construction sites and industrial sites.

VOLUNTEERING EXPERIENCE

AUG 2023 -
SEP 2023

BAREFOOT CONSERVATIONS, INDONESIA

Conducting underwater surveys on coral health and marine biodiversity, assisting in coral restoration, and engaging in conservation outreach. I also taught math and marine sciences at a local school, supporting education and community involvement.

JUL 2018 -
SEP 2022

CHIRO KAAFT: MONITOR

Boy scout leader, working with other monitors to set up activities for children and host events.

EDUCATION

SEP 2022 -
PRESENT

GHENT UNIVERSITY

MSc bioscience engineering: environmental technologies

SEP 2019 -
SEP 2023

UNIVERSITY OF ANTWERP

BSc bioscience engineering: environmental technologies

SEP 2012 -
SEP 2019

GEMEENTELIJK INSTITUUT BRASSCHAAT

Sport and Sciences, 6h mathematics

EXTRACULICULAR ACTIVITIES

MAR 2025

POSTER PRESENTATION, VLIZ MARINE SCIENCE DAY

Presenting the preliminary data of my master thesis "Macroalgal allelopathic metabolites: Ecological consequences and their potential" at the international congress of Flanders marine institute.

SEP 2024 -
PRESENT

TEAM MECHANICAL – SUSTAINABILITY AT UGENT RACING

Main tasks: Carbon footprint mapping, sustainable material selection and collaboration with industry partners in developing bio-composites.

SEP 2022 -
SEP 2023

STUDENT REPRESENTATIVE, UNIVERSITY OF ANTWERP

Contact between other students and professors, representing the students in structural reformatations regarding the coursework and exams.

SKILLS

- Data analysis in Excel, R and MATLAB
- Science communication
- Instrumental analysis (HPLC, UV-vis, Flowcytometry, GC-MS)
- PADI certified rescue diver, nitrox- and deep diver

LANGUAGES

- Dutch: Native language
- English: Working proficiency
- French: Basic
- German: Basic