

Lars ten Hacken

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Experience

Visiting Researcher, Tsinghua University – Beijing, China Feb 2026 – May 2026

- Thesis on icing under complex conditions. Supervised by Federico Toschi (TU/e) and Chao Sun (Tsinghua).

Visiting Researcher, University of California Berkeley – USA May 2025 – Nov 2025

- At the Theoretical and Applied Fluid Dynamics Laboratory, under supervision of PI Reza Alam. Supported by NL Scholarship Grant 2024/2025 (€ 2.500).
- Phase resolved ocean wave reconstruction and prediction using sparse spatiotemporal measurement data from a swarm of unmanned surface vehicles.

Trainer and Speaker, De AI Workshop – Eindhoven Jan 2024 – present

- Leading hands-on training sessions and public speaking about artificial intelligence and its applications.

President, Junior Enterprise Netherlands – Eindhoven Sept 2023 – Aug 2024

- Responsible for JE Netherlands, consisting of the full-time national board, twelve local boards, 300+ students/consultants and € 800k turnover from 250+ projects. Part of JE Europe.
- Strategy, Leadership, Communication, Collaboration and Representation.

Student Ambassador, Eindhoven University of Technology – Eindhoven Sept 2022 – Aug 2024

- Promoting TU/e to students at open days, education fairs and high school visits.

Education

Eindhoven University of Technology, MSc in Applied Physics – Eindhoven Sept 2024 – July 2026

- GPA: 8.3/10.0.
- Advanced Fluid Dynamics, Advanced Mathematical and Computational Fluid Dynamics, Soft Matter Physics, Chaos, Machine Learning Engineering.
- Writing social media articles for "NL Wetenschap", part of the Dutch alliance of Universities.

Eindhoven University of Technology, BSc in Applied Physics – Eindhoven Sept 2020 – July 2023

- 215/180 ECTS total, TU/e Honors Academy, Student association E.S.C, hockey at E.S.H.V Don Quishoot.

Extracurricular Activities

Delegate, Netherlands Asia Honors Summer School – Hong Kong / Vietnam 2024

- Prestigious Summer School programme for the top 70 selected students from Dutch universities. Curriculum focussed on contemporary and future Asia-Western relations.

Treasurer, Business Core Eindhoven – Eindhoven 2022 – 2023

- Managed a € 60k budget and performed general organisational tasks for Eindhoven's largest student symposium.

Committee Member, UniPartners Eindhoven – Eindhoven 2021 – 2022

- Sales and professional network expansion of the UniPartners office in Eindhoven.

Committee Member, Van der Waals – Eindhoven 2020 – 2021

- Member of several committees at the Applied Physics study association at TU/e.

Skills

Programming: Proficient in Python, Matlab, and Wolfram Mathematica. Good understanding of C, Linux, Git and HPC (OpenACC/OpenMPI)

Professional: Communication, Leadership, Teaching, Writing, Critical thinking

Languages: English (fluent), Dutch (native), German (intermediate receptive)