

Nils Backlund

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EDUCATION

Chalmers University of Technology <i>Engineering Physics</i>	2021-2026 Gothenburg, Sweden
Nanyang Technological University <i>Exchange semester</i>	Spring 2025 Singapore

• Modules included: Flow and Strength Theory, Electric Theory, Electric power engineering, Quantum Mechanics, Artificial Neural Networks, Humanoid Robotics, Statistics and Machine Learning in High Dimensions

• Bachelor thesis: Adapting energy infrastructure for a fully electric car fleet

• Master in Complex adaptive systems

EXPERIENCE

ASML <i>Master Theses Intern</i>	2025-2026 Veldhoven, Netherlands
AI Sweden <i>Industrial Immersion Exchange program</i>	2025 Gothenburg, Sweden + Dakota State University, SD, United States
• Summer internship in AI and cybersecurity in collaboration with people from Sweden and Dakota State University. Built an end-to-end LLM attacker–honeypot framework that generated a labeled MITRE ATT&CK dataset and improved honeypot engagement	
Andon Labs <i>Intern and part time</i>	2025 San Francisco, United States
• Helped develop Safe Autonomous Organization, primarily developing in Python and evaluating and evolving the Human in the Loop system of their vending machines.	
Tiego <i>Junior Developer</i>	2022 – 2024 Stockholm, Sweden
• Part-time and summer intern at a digital accounting firm. Developed webpages using Angular to migrate products from Excel and to develop new products.	
Chalmers Formula Student (CFS) <i>Electronics Engineer</i>	2023 – 2024 Chalmers, Gothenburg, Sweden
• Contributed to the development of the electrical system in CFS's electric race car, primarily designing PCBs with Altium and being a part of battery manufacturing. Gained introductory experience in engineering assemblies with the CAD software NX.	

PROJECTS

Bilissimo: Developed an iOS app in Swift designed to easily compare all electric vehicles on the Swedish market	2020
Ellas Café: A digital café in Stockholm. Part of tech. <i>Technologies used:</i> TypeScript, Swift	2021

COMMUNITY & LEADERSHIP

F6 <i>Head of catering</i>	2022-2023 Gothenburg, Sweden
• Served as the head of catering for one year planning, preparing and serving three-course meals at parties, each hosting up to 200 guests	
Deputy Speaker <i>Physics divisions</i>	2023-2024 Gothenburg, Sweden
• Served as the deputy in charge of the Engineering Physics Student Division meetings for one year	

TECHNICAL SKILLS

Languages: Python, (Java|Type)script, MATLAB, Mathematica, Swift, L^AT_EX, HTML, CSS, R

Libraries & frameworks: Angular, PyTorch, Pandas, NumPy

Applications: MS Office suite, Altium Designer, Figma, NX (basic familiarity)