

Curriculum Vitae

Oscar Stommendal

BSc ENGINEERING PHYSICS | MSc PHYSICS | BSc BUSINESS AND ECONOMICS
CHALMERS | NTU SINGAPORE | UNIVERSITY OF GOTHENBURG

 Email |  LinkedIn |  Github |  Personal Webpage |  Gothenburg

GOAL WITH APPLICATION

MAIN COMPETENCES

- ★ Practical experience of engineering work through internships
- ★ (Collaborative) Programming: Python, Matlab, C and Git
- ★ Collaborative laboratory work and report writing
- ★ Positive team player with good communication skills and a passion for problem-solving
- ★ Analytical, detail-oriented, fast-learned and methodical

EDUCATION

2024 - now MSc in Physics at **Chalmers University of Technology**
Focus on computational physics, astronomy and quantum physics/computing.
*Including an exchange semester at **Nanyang Technological University**, Singapore.*

2023 - now BSc in Business and Economics at **University of Gothenburg**

2020 - 2023 BSc in Engineering Physics at **Chalmers University of Technology**


2017 - 2020 Natural Sciences program at **Nils Ericsonsgymnasiet** (High school)

WORK EXPERIENCE


 *References available.*

Summer work @ ICA Supermarket Mellerud  Jun 2020 - Aug 2022

Cashier responsibilities, unpacking goods and charcuterie. I also got to mentor new starters. This was a valuable experience since I got to meet and handle lots of different people.

Part-time consultant @ Nordisk rörmärkning AB  Apr 2021 - Nov 2023

Solved different tasks to make the company's website and customer orders more efficient and automated through Excel. Here I learned to use basic Visual Basic.

Summer internship in the GTC-department – GKN Aerospace  Jun 2023 - Aug 2023

Department of product integration and simulation. The work mostly consisted of programming in Python, where I simplified and automated data analysis and collection for test runs within a certain project, and created a program to execute stress calculations on bodies created in ANSYS (CAD).

I got the opportunity to extend my contract at GKN in the Digital simulation and analysis department. I worked partly in Matlab for automatic data analysis during test runs within a certain project, where I improved and streamlined the code, and developed it to analyze more data. I also developed a package in Python that can be used internally at GKN to create and edit so-called Quality Assurance documents, which ensure the quality and use of a software or package.

SKILLS AND QUALIFICATIONS

Programming and Software Knowledge

| Very good ★ ★ ★ ★ ★ | Good ★ ★ ★ ☆ ☆ | Basic ★ ☆ ☆ ☆ ☆ |
|------------------------|---------------------------------|--------------------|
| Python | C | HTML |
| Matlab | L ^A T _E X | YAML |
| Microsoft Office | Linux | ANSYS |
| GitHub | Azure | Visual Basic |
| Git | | LabView |

Personal traits

Calm and Humble
Planning
Team player
Caring
Always positive
Driven
Goal-oriented
Competitive

Languages: *Swedish (native), English (fluent), Spanish (basic)*

OTHER MERITS

- 2024 **Recipient of multiple scholarships** from *Stiftelsen AAA* and *Anna Whitlocks Minnesfond* following my exchange term
- 2024 Nominated to an **exchange term** at **Nanyang Technological University**
- 2022 Qualified for membership in **MENSA** Sweden
- 2019 **Driver's license**, B

PUBLICATIONS

- [BSc Thesis] William Colliander et al. “*Gibbs objective function for modification of the optimization process in a hybrid quantum algorithm – A numerical comparison of the performance of a Gibbs function and the expected value of the Hamiltonian as an objective function in a hybrid quantum algorithm applied to the Max-Cut problem*”. In: (June 2020). BSc Thesis. URL: https://stommen.github.io/projects/bsc_thesis/.

References/certificates/grades will be provided upon request.