



# Henrik

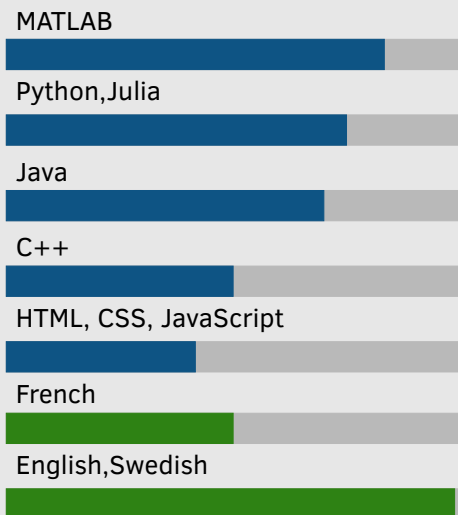
MSc Engineering Physics  
w/ Theoretical Physics

- January 25th, 1993
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## About Me

I would like to contribute to the realization of a global, sustainable future. Fusion plasma physics is an important potential tool in achieving this. In my everyday life and work life, I always start by greeting people with kindness and respect. I am an open-minded and humble person but can be assertive when needed. I communicate well, both as a speaker and in groups, but also person-to-person. I try to have a scientific approach to problems, emphatic approach to interactions, a curiosity whenever suitable and little bit of playfulness when appropriate.

## Skills



## Personal Interests

Fusion Plasma Physics, Sustainable Energy, Innovation, Music, Animals & Nature

## Education

2019	Successful Completion <i>Culham Plasma Physics Summer School</i>	Oxford
2017-2019	MSc in Engineering Physics, track Theoretical Physics <i>Royal Institute of Technology, KTH</i>	Stockholm
2015-2017	Composing & Symphonic Orchestration <i>Gotland's School of Music Composition</i>	Visby
2012-2019	Degree in Civilengineering (BSc + MSc) <i>Royal Institute of Technology, KTH</i>	Stockholm
2009-2012	High School Degree in Nature Sciences w/ music profilation <i>Viktor Rydberg Upper Secondary School, VRG</i>	Stockholm

## Experience

2019-	PhD Student	Technical University of Denmark, DTU
	Position in plasma physics and fusion energy, with the project of performing fast-ion diagnostics using integrated data analysis in 2D and 3D.	
2019	Master's Thesis in Fusion Plasma Physics	Royal Institute of Technology, KTH
	ICRF simulations of JET and ITER. Implementations of tensor rotations in the FEMIC code.	
2016	Quality Technician	Crane Currency
	Summerjob. Ensured the quality of production with the aid of lab equipment.	
2013-2015	Study Coach	MyAcademy
	Taught students at the high school level and provided help with their homeworks in mathematics, physics and chemistry. Well-received with good references.	

## Other

2020	Scholarship Holder	Merit
	Was awarded a research grant by the Niels Bohr Foundation, to cover travel expenses for my PhD project <i>MeV-range Ion Orbit Tomography</i> .	
2018	Treasurer	Organisation
	Treasurer at a local tenants association in Stockholm.	
2018	Hack for Sweden	Data Science
	Participated in hacking team with the goal of using open data to create innovative IT solutions. Role: producer and pitcher	
2013-2014	Head of Orchestra	Organisation
	Led and organized the orchestra in the student musical <i>Fysikalen Kennedy</i> at Fysiksektionen, KTH.	

## University Courses (selection)

ED2235	Atomic Physics for Fusion
EI1240	Electromagnetic Theory
DD2380	Artificial Intelligence
DD2424	Deep Learning in Data Science
SI1140	Mathematical Methods in Physics
SI2380	Advanced Quantum Mechanics
MJ2411	Renewable Energy Technology

## References

Provided upon request.