







Ari von Nordenskjöld

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Basic Info

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 Gotthardstrasse 42
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 Swedish
 02.05.1994
 Married

Education

Transcript available at vnord.net/transcript.pdf 

- | | |
|-----------|---|
| 2018-2020 | MSc. in Computer Science - Algorithms, Languages and Logic
<i>Chalmers University of Technology, Gothenburg, Sweden</i>
<i>Thesis title:</i> Ray Tracing for Sensor Simulation using Parallel Functional Programming
<i>Thesis company:</i> Volvo Cars, Gothenburg, Sweden
<i>Thesis subject:</i> Using the parallel functional programming language Futhark to write a physically correct ray tracer for both camera and LIDAR
<i>Supervisors:</i> John Hughes & Mary Sheeran (Chalmers), Göksan Isil (Volvo Cars)
<i>Thesis available at</i> https://odr.chalmers.se/handle/20.500.12380/302022  |
| 2015-2018 | BSc. in Computer Engineering
<i>Chalmers University of Technology, Gothenburg, Sweden</i>
<i>Thesis title:</i> Port Call Synchronization <i>Thesis company:</i> RISE Viktoria AB, Gothenburg, Sweden
<i>Thesis subject:</i> Automating and optimising the generation of recommended times of arrival for ships coming in to ports by using data analysis and machine learning
<i>Thesis available at</i> https://odr.chalmers.se/handle/20.500.12380/256128  |
| 2014 | Foundation Year
<i>Chalmers University of Technology, Gothenburg, Sweden</i>
<i>Subjects:</i> Calculus, Physics, and Chemistry |

Experience

- | | |
|-----------------|--|
| SINCE FEB. 2021 | Software Engineer
<i>NOUMENA Digital AG, Baar, Switzerland</i>
Developing a business protocol-oriented platform and programming language
<i>Skills:</i> Kotlin, language design, DSLs, recruitment |
| SUMMER 2019 | Volvo Engineering Student Concept
<i>Volvo Cars, Gothenburg, Sweden</i>
Worked with a testing & verification team (Virtual Car). Mainly worked on modifying a framework for integrating hardware code with a virtual setup so that it could be used to simulate additional hardware units. <i>Skills:</i> Linux, AUTOSAR, build systems, Matlab |
| SUMMER 2018 | Back-end Developer
<i>Rise Viktoria AB, Gothenburg, Sweden</i>
Developed various back-end features for the PortCDM information sharing platform, including an extensive notification system. <i>Skills:</i> Java EE, WildFly Application Server, Linux |
| 2017-2018 | Project Manager for initiative to help specially talented children
<i>The non-profit association Intize, Gothenburg, Sweden</i>
Recruited mentors as well as specially talented children, and coordinated mentor groups |
| FALL 2016 | Supplemental Instruction Leader
<i>Chalmers University of Technology, Gothenburg, Sweden</i>
Coached groups of students taking a course in Discrete Mathematics |

FALL 2016	Mentor for Individual Student <i>Chalmers University of Technology, Gothenburg, Sweden</i> Supported and helped a student with special needs manage their studies
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Volunteering

2017 - 2018	Mentor for Specially Talented Children <i>The non-profit association Intize, Gothenburg, Sweden</i> Made maths more fun and challenging for a group of three specially talented kids
2016 - 2017	Mentor for High School Students <i>The non-profit association Intize, Gothenburg, Sweden</i> Helped a group of five high school students with their math homework for two hours every week
SUMMER 2015	WWOOF Volunteer <i>Alpes-Maritimes, France</i> Helped out at an organic farm, milked cows, and made cheese

Programming Languages

I don't have any particular preference or specialization when it comes to programming languages, but rather believe in using whatever is the best tool for the job. I do, however, enjoy using a functional programming style regardless of what language I am working in, and I have a preference for strong typing.

The languages that I have the most experience with are **Kotlin**, **Haskell**, **Python**, **C**, and **Java**. I have also tinkered with **Erlang**, **Futhark**, **Agda**, **Idris**, **Clojure**, **C++**, **Rust**, **JavaScript**, **PureScript**, and some assembly languages. I am confident in using and designing relational databases using database management systems such as **PostgreSQL** and **MySQL**. During my studies I have also used **VHDL**, **MatLab**, and **R**.

Languages

ENGLISH	Fluent in writing and speech at an academic level
SWEDISH	Native speaker
GERMAN	Capable of communicating at an intermediate level, approximately B2 in the CEFR
FRENCH	Capable of communicating at an intermediate level, approximately B2 in the CEFR

References

Letters of recommendation from Chalmers University of Technology as well as Intize are available upon request. Recommendations from former colleagues are also available upon request.