

# MARKUS PETTERSSON

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**EDUCATION** **University of Minnesota**  
Exchange year, Non-degree seeking  
August 2019 - June 2020

**Chalmers University of Technology**  
MSc. in Data Science and AI  
August 2019 - June 2021

Bachelor in Software Engineering  
August 2016 - June 2019  
Average grade 4.78 / 5.00

**Birger Sjöberg High School**  
Natural Science Program  
August 2013 - June 2016  
Average grade 5.00 / 5.00

I have also been taking additional evening classes in electrical engineering, business and German at 50 % pace during my time at Chalmers.

**EXPERIENCES** **T-ENGINEERING | Software Developer**  
JUN 2017 - PRESENT | TROLLHÄTTAN, SE  
Creating tools for testing and report generation. Last summer I developed metrics for assessing how well the company's architecture follows best practises.

**BINAR HANDLING GMBH | Assembler**  
JUL 2015 - AUG 2015 | STAUFENBERG, DE  
I worked for a couple of weeks as an Assembler in Germany in order to improve my German and learn more about the country's culture.

**CORDOVAN COMMUNICATION | Creator**  
JUN 2014 - JUL 2014 | GOTHENBURG, SE  
Was selected as one of five out of over 200 applicants to devise an ad campaign for my high school. The project achieved international recognition with articles written about it in Mexico, Japan and several other countries. My roles included web designer, art director and copywriter.

**PROJECTS** **Speech Categorisation with Prosodic Features and Deep Learning**  
Using data from audio books gathered from the web, my bachelor thesis group constructed a deep neural net which was able to classify the age, sex and language of the reader based solely on the pitch and intensity of their speech. By combining convolutional networks with an LSTM we were able to achieved great results.

**Autonomous vehicle project**  
I worked in a group of 12 people on a school project where we developed semi-autonomous driving capabilities for a miniature car using the management framework scrum. During the project we encountered technologies like computer vision, network communication and Android development.

**PhonicBlend**  
A web application I'm currently working on with some friends. Using Spotify's own API We're creating a web service which traverses a group of people's Spotify libraries and creates a playlist with music that everyone will enjoy.

**ACTIVITIES** Writer for *Utblick*, a student magazine focused on foreign affairs | Passionate orienteer and cross country skier | Member of the UMN App Developers Club

**SKILLS** **PROGRAMMING**  
Python | C# | Java | Pandas | Keras | Spark | C | SQL | MatLab | HTML/CSS | familiarity with R, JavaScript, MongoDB, Redis, NodeJS and Angular

**LANGUAGES**  
**Swedish:** native language  
**English:** fully fluent, with the highest possible mark on the CAE to prove it (CEFR Level C2)  
**German:** sufficient for holding a conversation

**SOFTWARE**  
Github | LaTeX | Mercurial | AWS | Google Cloud | familiarity with Tableau, Photoshop, Illustrator, InDesign and Docker

References available upon request.