

Michaela Söderström

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Personal Statement

My name is Michaela Söderström and I have just finished my first year in the Systems, Control and Robotics Master program at KTH Royal Institute of Technology.

I started my first job as an employee at one of the TGI Fridays restaurants in Stockholm. During my time there I got used to hard work, developed a service mindset, was a top seller and met a lot of different people. I liked that it was a multi-cultural company and I had colleagues from very diverse backgrounds. During the shifts I was responsible for taking care of a station with 10-14 tables with dining guests. Working as a waitress with selling focus in a hectic atmosphere, it was important to have a good overview of the different stages during the guests visit in order to give them as great experience as possible. I became a good seller by being the energetic, kind and understandable version of me and because I was constantly observant of the needs that my guests had. Since my guests loved me, the selling part was not an issue.

At some point working with service, I figured out that I wanted to be an engineer. I wanted to refresh my knowledge within the scientific subjects so I applied and got accepted to a technical preparatory year at KTH. That is when a new chapter of my life started. I then chose Vehicle engineering for the reason that it is a broad program and I knew it would give me a fun and challenging time.

I am in the Systems, Controls and Robotics Master program, focusing on the Robotics and Autonomous Systems track. I find artificial intelligence fascinating and I want to be a part of the technology we develop and create in the future. I am especially fascinated by how technology is and can be interacted with human. This Master program gives me the tools of a deeper technical knowledge and understanding about possibilities and challenges we are facing in the development of new technology. So far, I have been introduced to different areas within the robotics field, such as task switching and planning and mobile robotics. Taking courses in machine learning, artificial neural networks and deep learning make me familiar with different kinds of neural networks and their algorithms, given me tools of how to deal with problems when training the networks or to optimize the training.

I look forward to combine my knowledge gained from KTH with the skills and experiences I will gain from this internship in my future career. I am interested to work in industries with strong focus on the field of AI and Autonomous Systems. I work with it closely in school, so I definitely believe that I can contribute in this field in some way. Besides that, it would also be very interesting for me to learn and gain experience within business development, innovation management or business intelligence.

This term, I have joined a student project called MRL Maritime Kungsfiskare at KTH, where we develop amphibious drones. The goal is to implement more autonomous abilities on the drones. We work in a team where we have the opportunity to use our knowledge from previous courses and apply it in this project. Right now we are discussing implementation of obstacle avoidance, computer vision and SLAM. I find it very exciting to have the opportunity to develop my engineering skills by doing something more hands on and not only theory based. My personal goals in this project are to find confidence in myself and what I am capable of, be creative, solve problems we will face and hopefully get to observe our implementations working.

I guarantee you a goal-oriented person with a big heart and great energy that can work hard and likes taking on responsibility. I will be an asset to company because I am engaged in the process, a good listener, reflective and not afraid to ask for help. I see this as an opportunity to try my wings as a problem solving soon to be engineer.

Education

Aug 2020 - Present	KTH Royal Institute of Technology Master of Science in Systems, Controls and Robotics Specialization: Robotics and Autonomous Systems	Sweden
Aug 2016 – Jun 2020	KTH Royal Institute of Technology Bachelor of Science in Vehicle Engineering Specialization: Sound and Vibration (in collaboration with Tyréns)	Sweden

Work Experience

Aug 2019 – Oct 2019	B Group <i>Coordinator</i> <ul style="list-style-type: none">• Head of responsibility: single point of contact, office, serve coffee, update the company social media• Held a workshop for the participants as an introduction to the course	Sweden
Jul 2019 – Jul 2019	Tyréns <i>Summer internship at the Acoustics apartment</i> <ul style="list-style-type: none">• Organized and updated their database for absorption coefficients in Excel	Sweden
Jun 2012 – Dec 2017	TGI Fridays in Kungsträdgården <i>Restaurant Assistant</i> <ul style="list-style-type: none">• Coach, waitress, hostess, runner• Selected “Best Waitress of the Year”• Learned the importance of team work in a sales-oriented business and high tempo environment	Sweden

Scholastic Achievements/Extracurricular Activities

Aug 2020 – Present	MRL Maritime Kungsfiskare <ul style="list-style-type: none">• Student project at KTH• Amphibious drones	Sweden
Jul 2019 – Jun 2020	THIS Future (Student Union Business Group at KTH) <i>Vice CEO</i> <ul style="list-style-type: none">• Arranged projects that allow companies to meet students with relevant interests, such as within sustainability and innovation• Supported team members and improved the growth of the organisation	Sweden
Jan 2019 – Jun 2020	FARMEN (Business Relations Group of Flight Chapter) <i>Member</i> <ul style="list-style-type: none">• Organized events based on agreements with the collaborated companies	Sweden
Nov 2018	Flight Chapter <i>Event Team</i> <ul style="list-style-type: none">• Organised yearly box car competition	Sweden
Aug 2017	Inspirational Lecture	Sweden

- Inspired teenagers to consider Engineering as an option for their future career

Skill Sets & Proficiency

Office Productivity	Microsoft Word, PowerPoint, LaTeX Microsoft Excel	Proficient Intermediate
Web	Jupyter Notebook HTML, GitHub	Intermediate Basic
Programming	MATLAB, Python C Robot Operating System	Intermediate - Proficient Basic Basic
Open Source	Keras, OpenCV	Intermediate
Operating Systems	Mac OS Linux, Windows	Proficient Intermediate

Language Proficiency

Spoken	English – fluent; Swedish – native
Written	English – fluent; Swedish – native

Additional Information

Interests	Travel, wine & dine, nature, family & friends, working out, trying out different activities, read, enjoy life
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