

# Carl Emvin

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## Utbildning

2020–2023 **MSc - Systems, Control and Mechatronics**, Chalmers University of Technology, Gothenburg, Master's Thesis: *Assessing the feasibility of replacing a specific diesel truck with a Battery Electric Vehicle using the Operating Cycle format.*

2017–2020 **Bsc - Mechanical Engineer**, Chalmers University of Technology, Gothenburg, Bachelor's Thesis: *Virtual Platform for Reinforcement Learning Research for Heavy Vehicles.*

## Employment

2023 **PhD Student**, Vehicle Engineering and Autonomous Systems, Chalmers University of Technology, Gothenburg.  
oct.-present

2023 **Project assistant**, Vehicle Engineering and Autonomous Systems, Chalmers University of Technology, Gothenburg.  
may-sept.

## Summer Break Experiences: Internships and Beyond

2022 **Studies**, Stockholms Universitet, 15 ECTS.

2021 **Engineer**, *Debugging an inhouse API-request and data processing software requesting data from HERE Road maps API*, Volvo AB (Trucks), Gothenburg.

2020 **Vacation....**

2017 - 2019 **Caregiver**, Trollhättan Stad, Trollhättan.

2016 **Shelf Stacker**, ICA MAXI, Trollhättan.

2015 **Engineer**, *Basic tasks like transferring lab results to excel sheets*, GKN Aerospace, Trollhättan.

## Software Proficiency

Programming Python, MATLAB, Simulink, LaTeX

API HERE (Fleet Telematics, Routing), Google Places

Design Autodesk Inventor  
Used to know Arduino, ROS, GAZEBO, Linux, ansys, STAR-CCM+, CATIA v5

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## Relevant Courses

MMSX30 Mater's Thesis  
MMF062 Vehicle dynamics  
SSY345 Sensor fusion and nonlinear filtering  
ESS101 Modelling and simulation

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## Interests

- Music: I've spent countless hours playing on my guitar.
- Travelling: I love to visit Italy.
- Sport: I like to play floorball. Years back, were I engaged in fotboll and beach vollyboll.
- Food: I like to cook food for friends and family.

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## Employer Contact Details

On request