



# Khalil Kenaan

CAE-engineer

Phone number : 0765867168

E-mail adress : khalil-kenaan@hotmail.com

## Summary

I'm a mechanical engineer with a master in applied mechanics. I specialize in calculation and simulation. I have got a great interest in problem-solving with the help of Computer Aided Engineering (CAE) through mainly Ansa, Nastran, Matlab and Ansys. I'm currently working at a multinational company which specialises in control and safety of pressurized devices. The main tools in the work are Ansa, Meta, Nastran, Optistruct, and Matlab.

## Personal information

Address : Topasgatan 57, Göteborg

Age : 1995-02-04

drivers license : B

Swedish : Fluent

English : Fluent

Arabic : Fluent

French : Basic

## Computer skills

Ansa & Meta	●●●●●●
MATLAB	●●●●●●
StarCCM+	●●●●●●
HyperMesh & HyperView	●●●●●●
Ansys	●●●●●●
CATIA V5	●●●●●●
Nastran	●●●●●●
Optistruct	●●●●●●
MS Word and PowerPoint	●●●●●●
Latex	●●●●●●
Adams	●●●●●●
Visual vessel design (VVD)	●●●●●●
Rohr 2	●●●●●●
CAE Pipe	●●●●●●

## Work Experience

Dekra Industrial AB - 2019-08-26  
Design review engineer

As a design review engineer at Dekra industrial my main task is to control that the structure is constructed in accordance with European regulations and meets the set conditions. My work mainly consists of controlling pressurized devices such as pressure vessels and pipelines. This is done through various calculation methods where programs such as CAE-Pipe, VVD, Mathcad and Ansys.

Volvo Car Corporation - 2016 - 2017  
Assembler

During the summer of 2016 and the beginning of 2017, I worked as an assembler at the TC department at Volvo Cars in Torslanda. The work included dismantling front and rear doors from the body and also mounting smaller components.

International Automotive Components (IAC) - 2015 - 2016  
Assembler

At the end of 2015 and early 2016, I worked as an assembler at IAC factory in Torslanda. IAC is a subcontractor to Volvo cars and manufactures the instrument panels and door panels. The work included the installation of small components for rear door panels and instrument panels

Apotek hjärtat - 2014 - 2017  
Pharmacy assistant

During the last few months, I have devoted myself to customer service and recommendation of non-prescription drugs at Apotek Hjärtat in Gothenburg. My duties included recommendations for non-prescription drugs and other products and treasurer. This could involve contact with thousands of customers during a summer, which has further developed my ability to communicate.

## Academic projects

Master thesis - 2019  
The master thesis is at the solidity team at Volvo Cars Cooperation. The main objective of the work is to design and use a generic fixture for physical testing of an instrument panel in a subsystem test rig. The Sensitivity analysis of a generic subsystem fixture is done for physical Squeak & Rattle prediction.

Bachelor thesis - 2017  
The main objective of the work was to reduce air resistance of cars through automatic form optimization. The various form optimization methods examined were gradient-based shape optimization with adjoint fields as well as surrogate modeling via artificial neural networks, kriging, Radial Basis Function, and Inverse Distance Weighting.

Project in Applied mechanics - 2018  
The projects aim was to design a rudder system in carbon fiber-reinforced polymer for the Swedish Olympic challenger in Finnjolle Max Salminen. The objective of the project was to identify possible improvements on the finnjoll's control system. I was responsible for both design and FE-analysis of the tiller in the rudder system.

## Education

Chalmers University of Technology - 2017 - 2019  
M.Sc Applied Mechanics  
Master's degree in Applied mechanics

Chalmers University of Technology - 2014 - 2017  
Mechanical engineering  
Bachelor's degree in mechanical engineering

Apotek hjärtat - 2014 - 2014  
Pharmacy assistant  
Courses on non-prescription drugs