



# Lars Kallryd

CV

*Wisdom is to the mind what health is to the body.*

## Education

- 2007–2010 **Technical gymnasium education**, *The Volvo gymnasium*, Skövde.  
2011–2014 **B.Sc.**, *Mechanical Engineering*, Chalmers.  
2014–2015 **M.Sc.**, *Naval Architecture and Ocean Engineering*, Instituto Superior Técnico.  
2015–2016 **M.Sc.**, *Naval Architecture and Ocean Engineering*, Chalmers.

## Master thesis

- title *Hybrid propulsion system simulation and control*  
supervisors PhD Francesco Baldi, Andrea Coraddu  
description To simulate and optimise the design and control of the hybrid propulsion system (including diesel-electric propulsion and batteries) for tugs.

## Bachelor thesis

- title *Självspelande labyrinthspel, Autonomous maze game*  
supervisors Prof. Bo Egardt  
description The development of an automated marble maze. A ball is guided through the maze with optical feedback from a camera. [Link](#) to a YouTube video of the maze game

## Internships

- Volvo Trucks Technical team, Gent, Belgium  
duration For 1 month in the autumn 2009  
description Received calls from retailers of Volvo trucks in the Nordic region and English speaking countries. I translated information about the problem to English for the technicians at the office.
- Volvo Trucks Modellverkstaden, Skövde, Sweden  
duration 7 weeks, spring of 2010  
description Worked with maintaining the mold models for the 13/16 litre engine. Controlling advanced NC mills, machining molds and machine special orders from companies outside of Volvo Trucks.

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## Experience

### Vocational

duration 2010 June–2011 January

**Assembly line, Volvo Cars, Skövde.**

The external assembly of the DW10c engine

duration 2011 January – 2016

**Machine operator, Volvo Cars, Skövde.**

Work during summer/winter vacations as machine operator of cylinder heads for the i5d engine

Career at Volvo Cars Skövde:

- Started working at the assembly line after gymnasium in June 2010
- After 5 months I applied to a manufacturing factory at Volvo and got this position
- Signed a study leave contract in 2011, ensuring work for vacation seasons
- During summer/winter vacations I work at Volvo and guide the younger summer interns in the factory as well as working with the daily operations

duration 2016 September – present

**Engineering Consultant - Rig operator Volvo Cars, Segula Technologies, Gothenburg.**

Started working at Segula after examination. First assignment at Volvo Cars as rig operator functional engine testing of the VEP engines

### Miscellaneous

2012-2015 **Gymnastics coach assistant, Sweden, Gothenburg.**

Assistant coach in gymnastics

July 2013 **Volunteering as teacher, Tanzania, Arusha.**

Teacher in English and maths in a orphanage, coaching football during weekends

2015–2016 **Volunteering as homework helper, Sweden, Gothenburg, Lundby.**

Homework help in math, Swedish (SFI) etc.

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## Languages

Swedish **C2**

*Native language*

English **C2**

Spanish **A2**

*Studied in high school*

Portuguese **A1**

*Studied it during exchange*

French **A1**

*French*

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## Computer skills

Operating system Microsoft Windows, Mac OS, Linux

Testing software ComTest, AVL - Indicom, Etas - INCA, MackKrill and beginner at Orion

Office software Microsoft Office package, LaTeX

Coding MATLAB, Simulink, Python

CAD software Catia V5, Autodesk Alias, Rhinoceros 3D

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## Interests

- hobby 1 Running & gym workout
- hobby 2 Woodworking & electronic tinkering (Arduino etc.)
- hobby 3 News, stock market, movies
- hobby 4 Travelling & languages

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## References

- Manager Volvo Cars Henrik Fredén, [henrik.freden@volvocars.com](mailto:henrik.freden@volvocars.com)
- Supervisor thesis Francesco Baldi, [francesco.baldi@chalmers.se](mailto:francesco.baldi@chalmers.se)
- Manager Volvo Cars, Jonas Dangart  
Göteborg