

EDUCATION

Ph.D. student in Mechanical Engineering, August 2016 – December 2019

King Abdullah University of Science and Technology (KAUST), Thuwal,
Saudi Arabia

- Focused on internal combustion engines on both experimental and computational level
- Supervisor: Professor Bengt Johansson
- List of publications as first author:
 - “Computational Study of Injection Strategies Using Multiple Fuel Injectors”- ASPACC 2017
 - “CFD Study of Heat Transfer Reduction by Using Multiple Injectors in a DCEE Concept”-SAE International Powertrain, Fuels and Lubricants, January 2019
- Participation in Conferences:
 - Poster session, New Combustion Concepts, KAUST, March 2017
 - Presentation, SASCI, KAUST, May 2017, and 2018
 - Participation, Sun Fuels Meeting, Lund University, June 2017
 - Presentation, ASPACC, University of Sydney, December 2017
 - Presentation, SAE International Powertrains, Fuels and Lubricants, January 2019

Master of Mechanical Engineering Science - August 2014 - June 2016.

Lund University

- Specialized in computational mechanics and vehicles giving solid and detailed knowledge of CFD, FEM as well as combustion engines.
- Representing FC Helsingkrona in football and Teknologkarens IF in swimming. □ Title of thesis: “CFD Study of Welding Fume Behaviour” performed in cooperation with EnginSoft Nordic AB and Nederman AB.

WORK EXPERIENCE

Teaching Assistant in Combustion Engines Course – August 2017-December 2017

King Abdullah University of Science and Technology (KAUST)
Thuwal, Saudi Arabia

Responsibilities:

- Aiding Professor in teaching as well as correcting assignments in a master level engines course
- Holding exercise sessions improving my public speaking abilities
- Aiding students with their course problems improving my leadership and teaching skills

Squad Leader – May 2015-September 2015

Swedish Armed Forces - www.forsvarsmakten.se
Boden, Sweden

Responsibilities:

- Leading squad of 12 soldiers during fundamental military training greatly improving my leadership skills, especially in difficult situations
- Leading platoon of 50 soldiers during one week highly enhancing my planning skills and ability to make quick and correct decisions.
- General military life including performing under extreme conditions of high pressure and stress.

Marketing Assistant – June 2016-August 2016

EnginSoft Nordic AB - www.enginsoft.se

Lund, Sweden

Responsibilities:

- Searching for potential customers for CFD and Optimizing software
- Establishing standardized method for marketing against these buyers enhancing my sales skills

OTHER ACHIEVEMENTS**Elite Swimmer – 2006-2016**

Swimming at competition level for ten years participating in for example Swedish nationals. This sport demands much from the perpetrators with training sessions up to ten times per week leading to me having very good discipline and time management skills. Competing means I have acquired an ability to perform when it matters most and under hard pressure.

Fighter Pilot Tests – 2013

I applied to become a fighter pilot in the Swedish air force in 2013 finishing eleventh of 600 applicants but with only eight available spots. This means that I passed all the tests but were discarded in the hard competition. The tests I performed concern mostly psychological aspects and my abilities to perform under extreme stress were tested. Also advanced logical thinking, quick problem solving skills, ability to perform simultaneous tasks and capability to remember a lot of information were tested.

REFERENCES

Professor Bengt Johansson – bengt.johansson@kaust.edu.sa Supervisor during Ph.D student time at KAUST.

Christoffer Järpner - c.jarpner@enginsoft.se
Supervisor during Master Thesis at EnginSoft Nordic AB.