# Albin
# Jonasson Svärdsby

*Curriculum Vitae*

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I'm driven by stimulating projects that allows me to use my acquired knowledge to learn new things and solve problems. My main areas of interest is physics and machine learning. I have experience in algorithm development and system design, covering the entire chain from pre-development to manufacturing and verification and leading development projects.

## Education

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| 2019 | **Deep learning specialization**, *Online course; Coursera, deeplearning.ai*. |
| 2013–2016 | **Applied Physics**, *Master studies, Chalmers University of Technology*, Gothenburg, Master thesis: "Modelling of digital radar" in collaboration with SAAB. |
| 2010–2016 | **Engineering Physics**, *Bachelor studies, Chalmers University of Technology*, Gothenburg. |
| 2009–2010 | **Conscription**, *Arméns jägarbataljon (the Army Ranger Battalion) Sweden*, Position: ranger platoon leader, The position contained responsibility over 12-16 men during deployment and operation of forward command post utilising HF and VHF systems. Trained as squad leader and radio operator. |
| 2009 | **Efficient leadership**, *Luleå University of Technology*, Course in leadership with practical focus in collaboration with the Swedish army. |
| 2008–2009 | **Basic Chemistry**, *University of Gothenburg*. <br> One and a half semester studies in basic chemistry |

## Work experience

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| 2017– | **Medfield Diagnostics AB**, *Development engineer/Algorithm team leader*, We are detecting stroke in pre-hospital setting using Microwaves and machine learning. |
| 2013– | **Squad leader of radio/communication personnel**, *Swedish army*. <br> Employment in Swedish army, at Arméns jägarbataljon. Reserve part-time serving enlisted (GSS/T). |
| Spring 2012 | **Squad leader of radio/communication personnel**, *Swedish army*. <br> Temporary employment at the army ranger battalion during the international NATO exercise Cold Response in Norway. |
| spring 2011 | **Squad leader of radio/communication personnel**, *Swedish army*. <br> Temporary employment at the army ranger battalion during the international NATO exercise Cold Challenge in Norway. |

## Software

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| By order of proficiency | Python, Matlab, FORTRAN, C, Linux, LaTeX, VSS, HFSS, Bash, LabView, Mathematica |
| Machine learning related | Keras, tensorflow, Sci-kit learn |

## Other merits

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| 2014 | **Member of Chalmer's team for the International Physicists' Tournament 2014** . |
| 2018 | **Instruktör, försvarsmakten** .<br>- Driver's license, class A,B |

## Language

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| Swedish | Native language |
| English | Fluently |
| German | Basic |

## Extracurricular activities

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| 2018– | **Ungdomsledare**, *Försvarsungdom Bohuslän-dal*.<br>Responsible for personell and planning ($\approx$ 15 instructors, 100 youths), Försvarsutbildarna |
| 2016– | **Instructor**, *Försvarsungdom Bohuslän-Dal* . |
| 2016–2017 | **Member of the local organising committee**, *International Physicists' Tournament 2017* . |
| 2012–2014 | **Elected member at Blodgruppen**, *Chalmers*.<br>Student association promoting and encouraging people to become blood donors. |
| 2011–2012 | **Elected board member at Studienämnden Fysik**, *Chalmers*.<br>Student association dealing with study related question and student representation in these. |
| 2007 | **Elected chairman student gymnasium council**, *Uddevalla Gymnasium*. |