

Ludwig Jacobsson

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I am a social nerd that never want to stop learning. Four words to describe me: empathic, curious, innovative, and helpful. In the future I see myself developing a philanthropic version of Skynet.

Education

- **Faculty of Engineering (LTH), Lund University** **Lund**
Master of science in Engineering Physics 2009-2015
Advanced Numerical Algorithms with Python, Applied Artificial Intelligence, Applied mathematics, Artificial Neural Networks, Biological systems, Computer Vision, Control Theory, Intelligent systems, Numerical linear algebra, Service robots, Numerical Methods for Differential Equations.
 - Master thesis in modular skill representation for assembly robots.
 - For a small sample of projects visit: www.ludwigjacobsson.se.
- **Linköpings University** **Linköping**
Economics 2009
Basic course in macroeconomics at Linköpings university during the spring of 2009 while working.
- **Zhejiang Wanli Xueyuan** **Ningbo, Zhejiang, Kina**
Mandarin course 2007
6 month course in speaking, writing and reading mandarin at a Chinese university. No prior experience made it very challenging, but hard work paid off and I earned top grades in my class.
 - 6 months full time.
 - Top grades.
 - Travelled China applying my new skill the following half year.
- **Steilacoom High School** **Steilacoom, WA, USA**
High School Senior year 2004-2005
A very rewarding exchange year in Washington State, USA. My way of understanding people in other situations increased substantially by adapting to the new personal and cultural situation. Earned high grades in all my classes, but looking back, the personal development is the real gain from the experience.
 - One year exchange studies.
 - Fluency in English.
 - Varsity soccer team and cross country team.
- **Ebersteinska Gymnasiet** **Norrköping, Sweden**
Secondary school with scientific profile 2003-2007

Employments

- **ContextVision AB** **Linköping**
Algorithm Developer 2016 - Present
Researching, developing and applying Deep Learning algorithms. Applications are in general everything but in particular the medical domain.
 - Research and development in Keras
- **Agriculture project** **Norrköping**
Self-employed Fall 2015
Prototyping, building and developing a drone for agricultural purposes. The project was carried out by myself with agricultural consultation from my father. One of our goals was to attempt to detect the grey field slug at an early stage. The project has been out on hold as of December 2015.
 - Small robotics.
 - Autonomous systems.
 - Computer vision

- **Telavox AB** **Malmö**
Junior Software developer 2012
 Employment during university summer break. Very rewarding to be part of a development team with a common goal.
 - Developed a mail client for the company's existing user ticket system.
 - Back-end development in Java with Hibernate mapping to a mySQL database.
 - Front-end development with Java Servlets, Javascript and AJAX. Testing i JUnit.
 - **Aussie Farmers Direct** **Brisbane, Sydney, Melbourne, Australia**
Door-to-door salesperson (Milkman) 2008
 - Salesperson of a home delivery service with food from local farmers.
 - Top 10 best selling employee.
 - **Hagsätter Stora Berga Charolais** **Norrköping/Söderköping**
Farm worker 2000 - Present
 Farm work at my fathers farm during school breaks for the past years with increasing responsibility.
 - Full time job during spring and summer 2009.
 - Responsible for all farm work during monthly periods with 1 or more full time employees.
 - Varying work tasks in crop cultivation, livestock production and forestry.
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Merits

- **Faculty of Engineering (LTH), Lund University** **Lund, Sweden**
Introduction weeks for the Master of science in Engineering Physics Institution 2011
 Year long part time project with 4 other students planning and executing 4 weeks of activities for new students.
 - Involved approximately 300 new students and 150 volunteers.
 - Approximately 50 000€ in turnover.
 - **The Student union at the Faculty of Engineering (LTH), Lund University** **Lund, Sweden**
Member of the Board 2012
 The board consists of 7 members and has operational responsibility for all Union activities.
 - Appointed by the Student Council of the Union.
 - The union has approximately 10 000 members and 10 full time employees.
 - Approximately 100 000€ turnover.
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Skills

- **Languages**
 - **English** : Fluent.
 - **Mandarin** : Basic.
 - **German** : Basic.
- **Programming languages**
 - **Good**: Python, MATLAB, C, Java, HTML/CSS, L^AT_EX.
 - Experience in Clojure, SQL, Javascript, Bash scripting.
- **Technical**
 - **Linux**: User since 2005. Broad Linux skill set.
 - **Arduino**: Personal projects include a Coat LED-matrix with Bluetooth control and currently a self balancing robot.
 - **App development**: Apache Cordova Arduino/OSX development for personal projects.

References upon request.

Interests

I enjoy cooking a mouth watering chili, reading a dystopian sci-fi novel, and an intense game of squash.