Joel Oskarsson

Tröskaregatan 10   +46706724739
583 34 Linköping   joel.oskarsson@outlook.com
joeloskarsson.github.io   linkedin.com/in/joel-oskarsson

Education

- In progress: **Doctoral Studies in Computer Science**, Linköping, 240 ECTS
  Aug 2020 –
  In the general area of statistical machine learning. Research focused on machine learning for spatio-temporal problems.

- **Master programme in Computer Science and Engineering (Swedish Civilingenjörsprogram), Linköping University**, Linköping, 300 ECTS
  Aug 2015 – June 2020
  Bachelor courses in mathematics, programming and electrical engineering. Master focused on machine learning, statistics and AI.

  - Bachelor thesis: Real-time Multiplayer Game on IoT-backend
  - Master thesis: Probabilistic Regression using Conditional Generative Adversarial Networks

- **Exchange Year, ETH Zürich**, Zürich, Switzerland
  Sep 2018 – Aug 2019
  First year of my master as an exchange student at ETH. Courses mainly in machine learning and AI.

- **Technology Program, Lindeskolan**, Upper secondary school, Lindesberg
  Aug 2012 – June 2015

Employment

- **PhD Student, Linköping University**, Linköping
  Aug 2020 –
  Part of the Division of Statistics and Machine Learning, Department of Computer and Information Science.

- **Teaching Assistant, Linköping University**, Linköping
  Multiple periods 2016–2019
  Held lessons, seminars and lab-sessions for courses in mathematics, computer science and machine learning. Developed my teaching skills and my ability to communicate scientific concepts.

- **Summer Intern, Ericsson**, Linköping
  Jun-Aug 2018
  Summer internship at Ericsson Research. Worked with GNSS positioning.

- **Store Clerk, Hemköp**, Lindesberg
  Summers 2011-2016

Specific Knowledge

- Solid knowledge of relevant models and algorithms for modern **machine learning and AI** applications. Including, but not limited to:

  - Deep learning models
  - Underlying statistical theory
  - Implementations using suitable libraries

- Programming languages and frameworks

  Knowledgeable in Python, SciPy, PyTorch and C++.
  Experience with Tensorflow, R, scikit-learn, Java, Android, and MATLAB.

- Speak both Swedish and English fluently and communicate well in both languages. Basic understanding of German.

- Accustomed to working in Linux environments.

Other Experiences

- Experience with **competitive programming**. Competed in the IMPA competition at Linköping University with good results. I have also taken part in the Nordic Collegiate Programming Contest. This has given me good training in algorithm construction and testing.

- Developed multiple **hobby projects** such as smaller programs and video games. Some of these, as well as some university assignments, can be found on my GitHub.

- **Board member** (IT Manager) of student association FR Ryd 2017-2018. Worked with many different people and under a lot of responsibility.

<div align="center">

Joel Oskarsson   joeloskarsson.github.io
joel.oskarsson@outlook.com   +46706724739

</div>