

CURRICULUM VITAE

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Career objective

Do research and development in artificial intelligence and machine learning. Work with and develop state of the art machine learning algorithms.

Summary of skills and qualifications

- High proficiency in learning and applying abstract theoretical knowledge. Graduate level mathematics and theoretical physics. Thesis on topological quantum computing.
- Experience with machine learning from academic projects. Implementing and extending state of the art algorithms, including deep learning and actor-critic reinforcement learning.
- Experience in designing large software systems with thousands of monthly users. Lead developer and coordinator in a team of academics and developers. Experience with Python, C, C++, Java, Javascript, Haskell, Julia, Mathematica, Matlab. Proficient with Linux/Unix environments, version control systems etc.
- Eager to learn new skills, fast learner.

Most relevant education

Master's Program in Mathematics – SU & KTH (joint program) *2014 – Active*
Specialization towards analysis, mathematical physics, quantum mechanics, quantum information and computing. Also relevant; cryptography and category theory.

Summer student program, DESY, Hamburg *Summer 2014*
The program at the Deutsches Elektronen-Synchrotron involved specialized lectures in theoretical and experimental physics, in part linked to the accelerators on campus.

Most relevant employment and experience

Amanuens – Department of Mathematics, SU *2013 Aug – Active*
Developing and maintaining software for use at one of Sweden's largest online courses. Teaching mathematics to classes of up to 150 students, and one-on-one tutoring. Part of a working group focusing on improving education and developing MOOCs.

Independent Research Project – SU & SSE *2016 – Active*
Developing and implementing machine learning algorithms for solving models in macroeconomics in a team of mathematicians, economists and programmers. Working with various deep learning algorithms, in particular actor-critic reinforcement learning.

Researcher, Summer Intern – Ericsson Research, Multimedia Technologies *Summer 2013*
Developing real-time web applications for Ericsson Spaces, heavy use of Node.js and javascript. Through this job I gained experience in working in a professional office-environment and collaborating within a group of professional software engineers.

Miscellaneous

Fluent in Swedish and English, intermediated level Russian. Enjoy skiing and boarding on both liquid and crystallized water. Certified advanced open water scuba diver. Former violin player.