CURRICULUM VITAE
Viktor Qvarfordt

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Date of birth	1993 01 08
Address	Ruddammsvägen 6
	114 21 Stockholm
Phone	0704 222 732
Email	viktor.qvarfordt@gmail.com
Web	viktorq.se

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 larges 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.