

# Michael Sjöberg

*Computer Scientist, Web Developer, (Entrepreneur!)*

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## CONTACT INFORMATION

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*I speak Swedish, Norwegian, and English (and limited Spanish and German).*

## EDUCATION

**King's College London**, London, UK

2019–(2020)

Master of Science in Advanced Computing

Main fields of study: Computer Science

- Developed an MDP-solver to play and win games (Pacman with ghosts)
- Built and trained a deep neural network to classify the MNIST dataset (hand-written digits)

*Relevant coursework in automated reasoning, computer vision, “ethical hacking”, neural networks and deep learning, learning algorithms, and network theory.*

**The Open University**, Milton Keynes, UK

2014–2018

Bachelor of Science with Honours in Computing and Information Technology

Main fields of study: Computer Science, Mathematics

Honors: Upper Second-class (equiv. GPA 3.33–3.67)

- Developed a web application to modify spreadsheet documents

*Relevant coursework in software engineering, algorithms and computational complexity, web technologies, and applied mathematics (incl. multivariate calculus, ODE, PDE).*

**Stockholm University**, Stockholm, Sweden

2013–2014

Main fields of study: Mathematics, Evolutionary Biology

**Karlstad University**, Karlstad, Sweden

2012–2013

Main fields of study: Natural Sciences

## TECHNICAL SKILLS

I'm a generalist software developer and work comfortably with multiple programming languages, including Python (proficient), Ruby (intermediate), Java (intermediate), C (intermediate), Scala (beginner), Lua (beginner), and Prolog (beginner). I'm familiar with most common engineering practices, research and development methodologies, operating systems, and developer tools, including Linux (UNIX), Git, Bash, and SQL.

- **AI engineering** I have an advanced-level understanding of AI-related topics at the intersection of current research and practical application, such as au-

tomated reasoning, autonomous agents, evolutionary algorithms, and machine learning (in particular unsupervised and reinforcement learning). I have worked with many related tools and techniques, including MATLAB, Keras, and TensorFlow, as well as various Python libraries, such as Mesa and scikit-learn.

- **Web technologies** I have considerable experience with full-stack web development and have built web-based applications for 10+ years (mainly working on own ideas!). I work comfortably with almost anything related to web development, including HTML, CSS, JavaScript (jQuery), PHP, Flask (Python), Ruby on Rails, Sass, MySQL, MongoDB, AWS, and Heroku (or similar technologies!).
- **Mathematics** I have a strong background in applied mathematics, including coursework in multivariable and differential calculus, graph and network theory, and mathematical optimization. I'm proficient at working on very large real-world datasets with Spark, Hadoop, MapReduce, and various Python libraries, such as NumPy, Pandas, and matplotlib, as well as experience with relevant presentation tools, such as LaTeX, Jupyter Notebook, and Microsoft Excel.

**ACHIEVEMENTS** I'm currently developing various AI-related software tools in stealth-mode (hint: evert.ai, master thesis based on making it easier to deploy and test automated reasoning models).

I have previously founded and launched multiple companies and products (some are still active, and many more failed!):

- Built a portfolio tracking application, available at: eqzen.com (currently a side project with goal to become a "good" alternative to Bloomberg Terminal!).
- Built a web application to consolidate various high quality online learning resources to make life easier for self-learners, available at: learnhub.io (inactive but still available).
- Founded and launched mobile application to fight deforestation, available at: givetrees.co (company closed, but application still available!)
- Founded and launched nutrition product in Sweden, available at: holans.com.

<b>OTHER</b>	<b>Swedish Armed Forces</b> , 1st Marine Regiment, Berga, Sweden	2009-2010
	Basic military training (amphibious)	
	<ul style="list-style-type: none"><li>• Leadership and teamwork training in extreme environments</li><li>• Technical education and experience with advanced weapons and explosive systems</li></ul>	

*I also enjoy mountainbiking, road cycling, swimming, economics and finance (investing!), electronic music, and e-sports!*