Michael Sjöberg

CONTACT INFORMATION

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TECHNICAL SKILLS

I'm a generalist software developer and work comfortably (and sometimes less comfortably!) with multiple programming languages, including Java (last decade or so), Python, Ruby, C, Scala, Lua, and Prolog (more recently). I'm familiar with common engineering practises, research methodologies, operating systems, developer tools, and platforms, including Linux, Git, Bash, SQL, and UML.

- **Advanced computing** I'm very interested in computing-related topics at the intersection of research and practical application, such as automated reasoning, expert systems, intelligent- and autonomous agents, and neural networks (in particular unsupervised and deep learning). I have worked with with many related tools, such as MATLAB, Keras, TensorFlow, and various Python libraries, such as 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!).

- **Other** I have a strong background in mathematics, including coursework in multivariable calculus, mathematical statistics, optimization problems, graphs and networks, and work comfortably on highly quantitative problems. 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 relevant presentation skills, i.e. LaTeX, Jupyter Notebook, and Microsoft Excel.

EDUCATION

Master of Science in Advanced Computing (enrolled) (2020)
King's College London, London, UK
Thesis: "A compiler for a small programming language (Prolog to WebAssembly)"

Bachelor of Science with Honours in Computing and Information Technology 2018
The Open University, Milton Keynes, UK
Main fields of study: Computer Science, Mathematics

ACHIEVEMENTS

- **Currently** Developing various AI-related software in stealth-mode, master thesis based on making it easier to deploy and test automated reasoning applications.

- Built my own portfolio tracking solution, available at: eqzen.com (still developing as side project to challenge 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 and barely any users, but cheap to keep up).

- 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 (small scale, but profitable!)

- Founded, co-founded, and launched various, and often terrible, internet companies.