Michael Sjöberg 20200411

CONTACT
INFORMATION

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I speak fluent English, Swedish; conversational Norwegian; limited Spanish and German.

FORMAL
EDUCATION

King's College London, London, UK   2019–(2020)
Master of Science in Advanced Computing
Main fields of study: Computer Science
Thesis advisor: Dr. Christian Urban

- Developed an MDP-solver to play and win stochastic games (Pacman with ghosts)
- Built and trained different types of deep neural networks
- Implemented various machine learning algorithms

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

- Developed a web application to modify spreadsheet documents

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

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

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, as well as various cloud computing platforms, such as Amazon Web Services, Heroku, and Cloudera.

Scientific Computing 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 building mathematical models (in particular financial models), and have worked on very large real-world datasets with various software tools, including Apache Spark, Apache Hadoop, MapReduce, and various Python libraries, such as NumPy, Pandas, and matplotlib. I'm familiar with various computing environments, including MATLAB and Wolfram Mathematica, as well as common presentation tools, such as LaTeX, Jupyter Notebook, and Microsoft Excel.

Artificial Intelligence I have an advanced-level understanding of AI-related topics at the intersection of current research and practical application, such as automated reasoning, autonomous agents, evolutionary algorithms, and machine learning (in particular deep neural networks and reinforcement learning). I'm familiar with logic-based programming languages, such as Prolog (beginner), and have worked with many related software tools, including NetLogo, Keras, and TensorFlow, as well as various Python libraries, such as Mesa and scikit-learn.

Keywords: Python, Ruby, Java, C, Scala, Lua, Linux (UNIX), Git, Bash, HTML/CSS, JavaScript (jQuery), PHP, Flask (Python), Ruby on Rails, Sass, MySQL, MongoDB, Amazon Web Services, Heroku, Cloudera, Apache Spark, Apache Hadoop, MapReduce, NumPy, Pandas, matplotlib, MATLAB, Wolfram Mathematica, LaTeX, Jupyter Notebook, Microsoft Excel, Prolog, NetLogo, Keras, TensorFlow, Mesa, scikit-learn

PROFESSIONAL EXPERIENCE

EQZEN (Inc.) 2019–
Founder, CEO

- Developed a web-based platform to manage stock portfolios

Holans (Holans Sweden Trading Partnership) 2014–
Managing partner

- Designed and developed a nutrition supplement product

Give Trees (Plant for Earth Co. Ltd) 2014–2017
Co-founder, CEO

- Developed a mobile-based application (Android)

Before 2014 – offered various web development, SEO, and online marketing services as a sole trader.

OTHER EXPERIENCE

Swedish Armed Forces (1st Marine Regiment), Berga, Sweden 2009–2010
Basic military training

- Leadership and teamwork training in extreme environments
- Technical education and practice with advanced weapons and explosive systems