

Michael Sjöberg 20200906

CONTACT INFORMATION

Website michaelsjoeberg.com

GitHub [michaelsjoeberg](https://github.com/michaelsjoeberg)

Email mail@michaelsjoeberg.com

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

EDUCATION

King's College London, London, UK 2019–2020

Master of Science in Advanced Computing

Thesis title: “A Standard Pascal Compiler Targeting WebAssembly”

Thesis advisor: Dr. Christian Urban

Selected coursework: Computer vision; Nature inspired learning algorithms; Pattern recognition, neural networks, and deep learning; Security Engineering

- Developed MDP-solver to play and win stochastic games (Pacman with ghosts)
- Designed 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

Selected coursework: Algorithms, data structures and computability; Web, mobile and cloud technologies; Software engineering; Mathematical methods

- Designed and developed web application to modify financial 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 am a generalist software developer and work comfortably with multiple programming languages, such as Python (proficient), Rust (intermediate), Ruby (intermediate), Java (basics), C (basics), Scala (beginner), and Lua (beginner). I am familiar with most engineering best practices, development methodologies, operating systems, and developer tools, including Linux (and other UNIX-like systems), Bash, and Git.

Web Technologies I have considerable experience with full-stack web development and have built web-based applications for 10+ years. I work comfortably with anything related to web development, including HTML/CSS, JavaScript, jQuery, PHP, Flask (Python), Ruby on Rails, Sass, MySQL, and MongoDB. I am familiar with most cloud computing platforms, including Amazon Web Services, Heroku, and Cloudera.

Scientific Computing I have a strong background in applied mathematics, including undergraduate-level coursework with distinction in multivariable and differential calculus, as well as postgraduate-level coursework in network theory and mathematical optimization. I am proficient at building mathematical models and have worked with very large real-world datasets using various software tools, including Apache Spark, Apache Hadoop, MapReduce, and various Python libraries, such as NumPy, Pandas, and matplotlib. I am familiar with several scientific computing environments, including MATLAB and Wolfram Mathematica, as well as common presentation tools, such as LaTeX, Jupyter Notebook, and Microsoft Office (in particular Excel).

Artificial Intelligence I have completed postgraduate-level coursework with distinction in AI-related topics, such as automated reasoning, autonomous agents, evolutionary algorithms, and machine learning (in particular deep neural networks and reinforcement learning). I am familiar with logic-based programming languages, such as Prolog (beginner), and have practical experience with various software tools, including NetLogo, Keras, and TensorFlow, as well as various Python libraries, such as Mesa and scikit-learn.

Proficient: Go-to language for most tasks; Intermediate: Go-to language for specific tasks; Basics: Have used for non-trivial tasks or needs revision; Beginner: Just starting or interested to learn more.

Keywords: Python, Rust, Ruby, Java, C, Scala, Lua, Linux, UNIX, Bash, Git, HTML/CSS, JavaScript, jQuery, PHP, Flask, 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 Office, Excel, Prolog, NetLogo, Keras, TensorFlow, Mesa, scikit-learn

PROFESSIONAL
EXPERIENCE

Holans (Holans Sweden Trading Partnership) 2014–
Managing partner

- Designed and developed nutrition supplement product (for sale in Sweden and Norway)

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

- Developed mobile-based application for charitable donations (Android and iOS, both discontinued)

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

OTHER
EXPERIENCE

EvertAI (unincorporated) 2020–
Founder

EQZEN (unincorporated) 2018–
Founder

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

- Leadership and teamwork training in extreme environments
- First aid, first responder, and survival training (both general and cold climate)
- Technical education and practical experience with advanced weapons and explosive systems