

Adam Maen

Machine Learning Engineer /
Data Scientist

Website: <https://maen1.github.io/>
Email: adam.maen01@gmail.com
LinkedIn: [linkedin.com/in/maen1/](https://www.linkedin.com/in/maen1/)
Github: github.com/Maen1
Phone #: +46 735 720 821

About me

I am a passionate and results-driven machine learning engineer with a deep understanding of data science and its practical applications. Skilled in developing and deploying machine learning models, I excel in data preprocessing, feature engineering, model selection, and performance. I am adept at building end-to-end machine learning pipelines. I thrive in agile environments, delivering fast prototypes and collaborating effectively with cross-functional teams. With strong communication skills, I can present complex concepts to technical and non-technical stakeholders.

Work Experience

Specialist in Machine Learning and Image Analysis

Antaros Medical AB | Uppsala, Sweden | Jan 2022 - Jan 2023

- Develop, improve and evaluate image analysis methods, mainly using ML methodology.
- Perform company research and innovation work in the ML field, including inventing technologies and generating data for eventual patent applications.
- Gather and manage image and annotation data supporting this research.
- Support and develop the use of ML technologies within the company.
- Support in validating artificial intelligence (AI) and ML software.
- Review source code and give constructive feedback on reviewed code.
- Train users on AI / ML software.

Data Scientist

TM R&D | Kuala Lumpur, Malaysia | Feb 2020 - Aug 2020

- Train a machine learning model to identify employees and integrate it with a thermal imaging system to build an attendance system that registers employees' check-in/out and their temperature.
- Collect data and train a machine learning model to detect heavy machinery vehicles in construction sites with camera setup on Unmanned Aerial Vehicles (UAV) and send the coordination to a server.

Research Assistant

IIUM | Kuala Lumpur, Malaysia | Feb 2018 - Dec 2019

- Apply Machine Vision and deep learning algorithms in the medical field, especially with X-ray images.
- Published two papers about data integrity and the threshold of human error in labelling the data to get a valuable machine learning model.
- Built a web-based application to segment lung cancer in 2D medical images.

Co-founder and Software Engineer

MySenior | Kuala Lumpur, Malaysia | Jan 2019 - Jan 2021

- Built an end-to-end online educational service that helps students find tutors within their university communities.

Software Engineer (Freelance)

Online | Worldwide | Jun 2016 - Feb 2020

- Built multiple websites for organisations and individual businesses in different categories (NGOs, Educational, Small businesses and Personal websites)
- Did many internships in start-ups with different fields such as Robotics and Saas.

Skills

Data Science

Python (PyTorch, TensorFlow, Keras, Scikit-Learn, Scipy, SimpleITK, OpenCV, ImageIO, Matplotlib, Numpy, Pandas, SQL and more), C++
Familiar with Spark, Hadoop and ROS.

Web Development

Php (Laravel), JavaScript (VueJS), HTML, CSS (Tailwind, Bootstrap, Bulma), MySQL and Redis.

DevOps, Tools and Patterns

Docker, Jenkins, AWS, Azure and GCP, OOP, MVC, TDD, UNIX shell and GIT.

Education

Master in Image Analysis and Machine Learning

Uppsala University | Uppsala, Sweden | Aug 2020 - Jun 2022

[Program website](#)

Bachelor of Computer Science

IIUM | Kuala Lumpur, Malaysia | Feb 2016 - Aug 2020

[Program website](#)

Online Courses

Specialisations on Coursera

- Generative Adversarial Networks (GANs) | (3 courses) | Jun 2021
- IBM Data Science Professional Certificate (10 courses) | Sept 2019
- Deep Learning | (5 Courses) | Oct 2018

20+ other courses in machine learning and software engineering are listed in my LinkedIn profile.

Languages

English (Fluent), Swedish (Intermediate) and Arabic (Fluent),