

Adam Maen

Full Stack AI Engineer

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About me

I'm a passionate Machine Learning and Software Engineer with over 5 years of experience turning data into impactful solutions. I love the challenge of building end-to-end machine learning pipelines, from data preprocessing and feature engineering to model deployment and optimisation. I thrive in agile, fast-paced environments where I can deliver quick prototypes and collaborate closely with diverse teams. Whether I'm fine-tuning a model or explaining complex concepts to non-technical stakeholders, I enjoy bridging the gap between technology and real-world impact.

Work Experience

Research Engineer

Uppsala University | Uppsala, Sweden | Aug 2023 - Now

- Perform research and innovation work in the ML field especially LLMs, including inventing technologies and generating data for eventual grant applications.
- Support and develop the use of ML technologies within the department.
- Support in validating artificial intelligence (AI) and ML software.
- Build and serve web tools for data modelling and related NLP tasks.

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.
- 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.
- Built a web-based application to segment lung cancer in 2D medical images.

Software Engineer (Freelance)

Online | Worldwide | Jun 2016 - Feb 2020

- Co-founded and Built an end-to-end online educational service that helps students find tutors within their university communities.
- 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), python(FastAPI) JavaScript (VueJS), HTML, CSS (Tailwind, Bootstrap, Bulma), MySQL, MongoDB and Redis.

DevOps, Tools and Patterns

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

Education

Master in Machine Learning and Image Analysis

Uppsala University | Uppsala, Sweden

[Program website](#)

Bachelor of Computer Science

IIUM | Kuala Lumpur, Malaysia

[Program website](#)

Online Courses

Specialisations on Coursera

- Generative Adversarial Networks (GANs) | (3 courses)
- IBM Data Science Professional Certificate (10 courses)
- Deep Learning | (5 Courses)

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

Languages

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