Adam Maen

Machine Learning Engineer

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About me

I am a passionate engineer who has been actively programming for more than 6 years in various fields such as machine learning and web development, with a Bachelor's Degree in Computer Science and Master's degree in Image Analysis and Machine Learning.

I worked at several start-ups and learn a lot about Entrepreneurship as well as wearing different hats based on the task at hand.

I enjoy solving problems and working either within a team or independently.

Work Experience

Specialist in Machine Learning and Image Analysis

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

- 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 validation of artificial intelligence (AI) and ML softwares
- Review source code and give constructive feedback on reviewed code
- Create and run test cases for software.
- Train users on AI / ML softwares.

Data Scientist

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

- Train machine learning model to identify employees and integrate it with a thermal imagining system to build an attendance system that registers employees' check-in/out and their temperature.
- Collect data and trained machine learning model to detect heavy machinery vehicles in construction sites with camera setup on Unmanned Aerial Vehicle (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 labeling 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 organizations 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

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

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_____

Specializations 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 listed in my LinkedIn profile.

Languages_____

English (Fluent) , Arabic (Fluent), Turkish (Intermediate)
Swedish (Learning)