

Daniel Chowaniec

Senior Machine Learning Engineer

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PROFILE

Senior Machine Learning Engineer with 14 years of experience in designing and implementing cutting-edge machine learning solutions. Skilled in developing and deploying models, optimizing algorithms, and leading cross-functional teams. Seeking a challenging role to leverage my expertise in driving innovation and delivering impactful results.

PROFESSIONAL EXPERIENCE

Senior Machine Learning Engineer

09/2020 – 05/2023

Afiniti Hamilton, Bermuda, USA

- Led a team of 5 machine learning engineers in the development and deployment of state-of-the-art machine learning models and applications.

Utilized Python and TensorFlow to spearhead the design and implementation of a recommendation system that leveraged machine learning, increasing user engagement by 30% and driving a 15% boost in revenue. Collaborated closely with cross-functional teams to identify and define machine learning opportunities aligned with business objectives. Provided mentorship and technical guidance to team members, elevating coding standards and driving a 20% increase in the team's productivity, all within a Python and TensorFlow development environment. Managed project timelines, resource allocation, and priorities, ensuring the on-time delivery of high-impact projects within the Python and TensorFlow ecosystem. Additionally, collaborated with data scientists to fine-tune machine learning models in TensorFlow, resulting in a remarkable 10% reduction in prediction errors.

- Orchestrated intricate workflows via orchestration frameworks like LangChain, showcasing proficiency in managing multifaceted LLM projects with finesse.

Leveraged AWS SageMaker to streamline the end-to-end machine learning workflow, from data preprocessing to model deployment, resulting in a 30% reduction in development time.

- Chat interaction integrated with document retrieval using Retrieval Augmented Generation (RAG) techniques and automatic summarization of lengthy documents, enhancing information accessibility.

One of the groundbreaking achievements during my tenure was the successful fusion of cutting-edge LLM capabilities with business imperatives. Through meticulous planning and execution, I seamlessly integrated chat interactions with advanced document retrieval mechanisms using Retrieval Augmented Generation (RAG) techniques. This innovation empowered users to engage in natural language conversations while simultaneously retrieving pertinent information from a corpus of documents. This not only enriched user experience but also expedited access to critical knowledge.

Machine Learning Engineer

04/2017 – 08/2020 | Kraków, Poland

Aipified

- Implemented Cloud based 10+ Machine Learning projects with the combination of coding, relational database, MySQL, Oracle, Computer Science NLP and data-driven projects such as AI Poster, CRM and Recommendation System

In this role, I undertook the responsibility of architecting and implementing over 10 cutting-edge Machine Learning projects, leveraging a combination of diverse technical skills. Drawing on my proficiency in coding, relational databases, MySQL, Oracle, and Computer Science fundamentals, I seamlessly integrated these components to craft robust and versatile solutions.

- Completed 10+ Deep Learning based computer vision, NLP projects using frameworks such as Tensorflow, PyTorch, Yolo Model and successfully deployed 5+ large-scale production AI solutions.
- Work closely with software engineers to integrate machine learning algorithms into software applications.

Data Analyst

People.ai

02/2018 – 05/2020

Euraisa Business Center, Ukraine

- Spearheaded complex data analysis projects using Python, R, and SQL, extracting key insights from vast datasets. Developed and presented dynamic dashboards using Tableau and Power BI, significantly enhancing data-driven decision-making processes.
- Managed large-scale data processing using Hadoop and Spark, identifying trends and patterns that led to critical business insights, contributing to a 25% increase in operational efficiency.
- Employed advanced statistical methods and machine learning algorithms for predictive modeling. This resulted in a 20% improvement in forecasting accuracy for sales and marketing strategies.
- Played a pivotal role in shaping business strategies by providing comprehensive data analyses and actionable recommendations, leading to a 15% growth in market share.
- Led a team of data analysts and worked in close collaboration with machine learning engineers and business stakeholders. This synergy fostered an integrated approach to analytics and model development, enhancing the overall impact of projects.
- Implemented stringent data quality checks and governance protocols, ensuring the integrity and accuracy of data used across all analytical platforms.

Machine Learning Engineer

Cognitiva

05/2013 – 03/2017 | Warszawa, Poland

- Spearheaded the development and implementation of a machine learning-based fraud detection system, resulting in a 40% reduction in fraudulent transactions and saving the company \$1 million annually.
- Designed and implemented deep learning models for computer vision tasks, such as object detection and image segmentation, improving accuracy by 15% compared to previous methods.
- Led the research and development of a recommendation engine, leveraging collaborative filtering techniques and user behavior analysis, leading to a 25% increase in customer engagement and conversions.

Machine Learning Engineer

Pluscode

09/2010 – 04/2013 | Poznań, Poland

- Developed and deployed end-to-end AI-driven web applications, combining back-end development with machine learning capabilities, resulting in improved user experience and data-driven insights.
- Implemented and integrated machine learning algorithms and models into the application stack, utilizing frameworks like TensorFlow and scikit-learn to enable intelligent decision-making and predictive analytics.
- Implemented robust RESTful APIs and backend services using languages like Python, Node.js, or Java, enabling seamless communication between the front-end and machine learning components.

EDUCATION

Bachelor's Degree in Computer Science

Lublin University of Technology

06/2008 – 06/2010 | Lublin, Poland

SKILLS

- Python, C, C++, C#, Java, Scala, Go, JavaScript, TypeScript, Node.js, React.js, Angular.js, GraphQL, Django, Flask, R, Flutter, React Native, HTML, CSS
- AWS IAM, Lambda, S3, SageMaker, Amplify, EC2, EKS, RedShift, EMR, Rekognition, GCP Compute Engine, Cloud Storage, Cloud Functions, AI Platform, Snowflake, kafka, Hadoop, Spark, Airflow, Databrick
- ChatGPT, Hstinger AI Website Builder, DeepBrain AI, Personal AI, Google Bard, DALL-E, Jasper AI, Stable Diffusion, Midjourney, Amazon Rekognition, Chatsonic