

# Sebastian Roy

Machine Learning Engineer

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Finland

Experienced machine learning engineer with expertise in algorithm design, statistical analysis, and deep learning. Adept at collaborating with teams on large and complex projects to deliver innovative, data-intensive solutions that improve software and platform performance. Proficient in TensorFlow, C++, Python, and PyTorch.

## WORK EXPERIENCE

### Machine Learning Engineer Zalando

04/2020 - 06/2023

Finland

#### Achievements/Tasks

- Design scalable machine learning algorithms to enable self-driving software to identify safe and efficient routes.
- Created image processing algorithms and toolkits to enable systems to quickly analyze data from multiple sources.
- Played a key role in development of next-generation software, transforming concepts into early-stage prototypes.
- Lauded for proactively identifying risks and partnering with colleagues to devise effective solutions.

### Machine Learning Developer BriksCoder

03/2015 - 03/2020

Finland

#### Achievements/Tasks

- Built statistical models using Bayesian inference and other ML methods to analyze trading data and predict market trends.
- Leveraged knowledge of TensorFlow, Scikit-learn, and Keras to develop neural network models based on deep learning and data mining technologies.
- Delivered presentations to senior executives and stakeholders on strategies to improve profitability and reduce risks using ML, AI, and natural language processing.

## SKILLS

Machine Learning Concepts

Algorithm Design

Deep Learning

Artificial Intelligence

Natural Language Processing

Probabilistic Modeling

Neural Networks

Python

PyTorch

TensorFlow

Keras

Computer vision

Python

Cloud computing (AWS, Azure, Google Cloud)

Big data technologies (Hadoop, Spark)

Reinforcement learning

SQL and NoSQL databases

Git version control

## LANGUAGES

English

Professional Working  
Proficiency

German

Full Professional Proficiency

## COURSES/CERTIFICATES

Professional Machine Learning Engineer (PME) (04/2023)

Google Cloud

Microsoft Certified: Azure AI Engineer Associate (04/2022)

Microsoft

TensorFlow Developer Certificate (04/2021)

Google

## EDUCATION

### Master of Science in Machine Learning Technical University of Berlin

02/2011 - 02/2015

Berlin, Germany

## INTERESTS

Reading

Chess