

Jacob Chan

Machine Learning Engineer

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Berlin, Germany

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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

Berlin, Germany

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 Volkswagen

03/2015 - 03/2020

Wolfsburg, Germany

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