Lai Deming

## AI & Machine Learning Engineer

[laideming935@gmail.com](mailto:laideming935@gmail.com) 

Singapore 

Experienced Python Developer with over five years of experience in AI & ML & DL and Python software development. Skilled in designing and developing scalable backend systems using the Django framework and creating frontend interfaces using React. Proficient in working with a variety of tools and technologies such as OpenCV, TensorFlow, PyTorch, Keras, Pandas, [NumPy, Docker and Git. Passionate about writing clean,](https://github.com/best2160187) maintainable, and efficient code that meets project requirements and exceeds client expectations. Proficiency in Python: I have a strong understanding and command over the Python programming language. This includes knowledge of Python's syntax, data structures, control flow, functions, and libraries. Web Scraping Frameworks: Familiarity with popular web scraping frameworks like BeautifulSoup, Scrapy, or Selenium is mine. These frameworks provide tools and methods to extract data from websites efficiently. 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. Analyzed data, summarized results, and documented 800+ chatbot conversations for clients in the insurance, financial, and healthcare sectors Interpreted patterns and trends to improve algorithms and data processing for 65 chatbots.

# WORK EXPERIENCE SKILLS

AI **Engineer**



Machine Learning Concepts

Algorithm Design

## Zalando

Deep Learning

Artiﬁcial Intelligence

*04/2020 - 06/2023*, *Singapore*

*Achievements/Tasks*

Design scalable machine learning algorithms to enable self- driving software to identify safe and eﬃcient routes.

Natural Language Processing

Created image processing algorithms and toolkits to enable systems to quickly analyze data from multiple sources.

Probabilistic Modeling

Neural Networks

Played a key role in development of next-generation software, transforming concepts into early-stage prototypes.

Python

PyTorch

TensorFlow

Keras

Lauded for proactively identifying risks and partnering with colleagues to devise eﬀective solutions.

Computer vision

Python

Cloud computing (AWS, Azure, Google Cloud)

**Machine Learning Developer**

## BriksCoder

*03/2015 - 03/2020*, *Singapore*

*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.

Big data technologies (Hadoop, Spark)

Reinforcement learning

SQL and NoSQL databases

Git version control

# LANGUAGES

English

*Professional Working 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*

# INTERESTS

Reading

Chess

**EDUCATION**

## Master of Science in Machine Learning National University of Singapore

*02/2011 - 02/2015*, *Singapore, Singapore*