James Bin

AI & Machine Learning Engineer

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, 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

AI Engineer
Zalando

04/2020 - 06/2023   *Singapore*

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   *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.

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
National University of Singapore

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

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

INTERESTS

Reading | Chess