JAMES BIN

AI & Machine Learning Engineer

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📍 Singapore, Singapore

SUMMARY

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.

EXPERIENCE

AI Engineer   04/2020 - 02/2024

Zalando   Singapore

Zalando is an e-commerce company that specializes in fashion and lifestyle products.
- Designed scalable machine learning algorithms to enable self driving software to identify safe and efficient routes.
- Developed advanced image processing algorithms and toolkits, enabling systems to analyze multi-source data 50% faster.
- Enhanced data accuracy by 20% and streamlined workflow efficiency for the analytics team.
- Improved performance by optimizing code and reducing load times.

Machine Learning Developer   03/2015 - 03/2020

BriksCoder   Singapore

BriksCoder is a company that specializes in teaching coding and programming skills, particularly aimed at children and young learners.
- 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 Models · Deep Learning · Artificial Intelligence ·

Natural Language Processing · Neural Networks · Python · PyTorch · TensorFlow ·

Keras · Computer vision · Cloud computing (AWS, Azure, Google Cloud) ·

Big data technologies (Hadoop, Spark) · Reinforcement learning ·

SQL and NoSQL databases · Git version control

EDUCATION

Master of Science in Machine Learning

National University of Singapore

02/2011 - 02/2015

LANGUAGES

English	Native	●●●●●
Chinese	Proficient	●●●●○

STRENGTHS

💎 **Technical Skills:**
-Proficient in programming languages (e.g., Python, Java, C++).
-Experienced with AI/ML Program development frameworks
-Knowledge of database management (e.g., SQL, MongoDB).

💎 **Problem-Solving:**
-Strong analytical skills to troubleshoot and resolve issues effectively.
-Ability to approach challenges with creative solutions.

💎 **Communication:**
-Excellent verbal and written communication skills.
-Ability to explain complex technical concepts to non-technical audiences.

💎 **Project Management:**
-Experience in managing projects from conception to completion.
-Ability to prioritize tasks and manage time effectively.

FIND ME ONLINE

Ⓢ **Skype**
Username

◯ **Github**
Username

in **LinkedIn**
Username