Bui Ba Phuc

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Skilled and accomplished Machine Learning Engineer with a successful track record of 5 years in the e-commerce and travel industries. Proficient in building and maintaining cutting-edge machine learning tools and models, while adeptly conducting A/B tests for data-driven decision making.

Present Address   **Permanent Address**
KnightBridge Prime Onnut,   149, Binh Dai Town, Ben Tre
Onnut1 Phra Khanong Nuea, Wattana Bangkok, Thailand   Province, Vietnam

SKILL

- Python, Scala, C++, Java
- Apache Spark, BigQuery, AWS, Tensorflow, Pytorch
- Fluent English, Basic Thai, Native Vietnamese

PROFESSIONAL EXPERIENCE

Senior Machine Learning Engineer   **Bangkok, Thailand**
Agoda Services   2021 – 2023
Effectively led a team of 5 members and collaborated closely with data scientists to develop an A/B test experiment platform. Managed a daily data volume of approximately 5TB, ensuring seamless processing and analysis.
- Demonstrated proficiency in planning and designing complex data pipelines with Apache Spark capable of processing terabytes of data per day.
- Designed a Spark streaming data pipeline that reduced costs by 40% while maintaining 24-hour data availability with a 99% uptime.

Machine Learning Engineer   **Ho Chi Minh City, Vietnam**
Zalora
Successfully maintained and developed models as part of a data scientist team in Vietnam, aligning them with business requirements. Skillfully engineered and deployed machine learning models into production, ensuring their successful integration and functionality.   2019 – 2021
- Implemented learning-to-rank techniques to re-rank the top N retrieved documents using trained machine learning models, resulting in a significant 15% increase in Net Merchandise Value within the Indonesian market.
- Developed auto-completion/search suggestion functionality using Lucene/Solr for search, resulting in a 4.2% increase in conversion rate and a 25% decrease in search time, ultimately improving the user experience.

Software Engineer   **Ho Chi Minh City, Vietnam**
VNG Corporation   20018 – 2019
- Developed a local network file sharing protocol with encryption for mobile applications.
- Implemented a non-blocking priority queue data structure in C++ to optimize resource management in video playback on mobile devices, resulting in a 30% increase in performance. (Github)

Intern Game Developer   **Ho Chi Minh City, Vietnam**
Gameloft   2017 – 2018
- Designed and implemented a game engine featuring 2D collision box support and animation capabilities.

EDUCATION

Ho Chi Minh City University of Technology   **Ho Chi Minh City, Vietnam**
Bachelor of Engineering, Major in Computer Science   2013 – 2018
- Honor Program (Top 10%)

Coursera: Deep learning specialization

Additional

- **Second-prize winner in Blockchain Start-up - Enigma Contest (Blog post)**
- 1st prize Zalo AI Challenge in Motorbike Generator Competition (**Github**)