XUAN TRUONG NGUYEN

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🔗 Github   in LinkedIn   ↗Portfolio

OBJECTIVE

As a Bachelor of Mathematics and Informatics graduated with honors, having over 2 years of experience in NLP Engineering, I want to challenge myself in a larger and more specialized environment.

EDUCATION

Bachelor of Mathematics and Informatics
Hanoi University of Science and Technology   *Aug. 2017 - Jan. 2022*

Graduate with Honor Degree - CPA : 3.2

Master of Mathematics and Informatics
Hanoi University of Science and Technology   *April 2022 - Now*

EXPERIENCE

Vietnam Compare Joint Stock Company   *July 2020 - June 2021*
NLP Engineer

- Explored and extracted information from a huge amount of products on multiple e-commerce platforms.
- Analyzed user's behaviors to improve company products in product recommendation, product classification.

Vietnam Compare Joint Stock Company   *June 2021 - Now*
Machine Leaning Team Leader

- Develop state-of-the-art Natural Language Processing models.
- Lead a team of NLP engineers in developing and implementing algorithms for natural language processing.
- Collaborate with product managers and system departure to ensure the effectiveness of NLP solutions.

Dantri Electronic News   *June 2021 - Now*
Machine Leaning Team Leader

- Manage NLP projects from conception to completion, ensure that progress and quality of projects.
- Communicate with cross-functional teams and stakeholders to understand business requirements and provide technical solutions.
- Develop and implemente text classification, sentiment analysis, and topic modeling algorithms which can be used in near-realtime for millions users.
- Train and mentor junior NLP engineers.

PROJECTS

User-based Recommendation System *Oct. 2022 - Dec. 2022*

- Collected and analyzed users behaviors based on a huge amount of data.

- Developed a near-real time personalized recommendation news system for over 1000 users per second.

- Utilized state-of-the-art model in NLP engineering and other tools such as Neo4j, Redis and Elasticsearch to develop the new system.

- Improved considerably users interaction.

Recommend related products system

- Defined project goals and created a roadmap to ensure progress and effectiveness of the project.
- Led a team in developing a recommendation system which can suggest related products.
- Collaborated with the product team to evaluate model efficiency and make data-driven decisions to improve customer experience.

Chatbot for an Japanese e-commerce website

- Developed an end-to-end chatbot to handle customer queries and promoting products.
- Created a roadmap and managed work progress of the project.
- Conducted experiments using ChatGPT to improve the quality of the system.
- Collaborated with the software development team to integrate the chatbot into the company's website and mobile app.

SKILLS

Programming Languages:	Python, Js
Libraries and toolkits:	Numpy, Pytorch, Django, FastAPI, Transformers
Data technologies:	Redis, Elasticsearch, Kafka, RabbitMQ, Neo4j

ACHIEVEMENTS

BKAI-NAVER Challenge 2022 - Vietnamese Intent Detection and Slot Tagging. *April 2022 - May 2022*

- Hosted by BKAI Center, SOICT of Hanoi University of Science and Technology and NAVER with purpose is resolved real problems in Vietnam.

- Developed a detection system which can detect the user's intent and classify entities in requirement of user.

- The proposed model achieved best accuracy rate with 75%.

Zalo AI Challenge 2022 - End-to-End Question Answering. *Nov. 2022 - Sep 2022*

- An annual contest organized by Zalo with the desire to use AI to resolve concerned problems in Vietnam.

- Utilized state-of-the-art model and tactics to solve problems.

- Enhanced team management skills as well as problem solving abilities.