# Hai Nguyen Xuan

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## EDUCATION

**University of Science,** Ho Chi Minh City                                           2020 – 2024

Bachelor of Data Science

- GPA: 8.1/10
- Courses: Python, Probability and Statistics, Financial Model, Database Management System, Data Mining, Advanced Machine Learning, etc.

**Ben Tre High School for Gifted Students,** Ben Tre                                 2017 – 2020

Major in Information Technology

- Courses: C++, Data Structure and Algorithms, etc.

## SKILLS

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| Languages: | **Python**, **C++**, **SQL** (SQL Server), R, MATLAB |
| Visualization: | **Tableau** (Dashboard Design), Python (**Matplotlib**, Seaborn), Microsoft **Excel** |
| Machine Learning: | Python (**TensorFlow**, **PyTorch**, Scikit-learn), Microsoft **Azure**, **OpenMMLab**, **Label Studio**, **LLMs** with RAG, **Jupyter** Notebook |
| Deployment: | **Docker**, **Kubernetes**, Git & GitHub, Windows & Linux CMD, Flask |
| Others: | Adobe Illustrator, Adobe Premiere |

## EXPERIENCE

**Beyondsoft International Pte. Ltd.,** Singapore                          Mar 2024 – Nov 2024

IT Intern, Remote

- Been part of Microsoft ARC team who are responsible for operating Microsoft business activities in Vietnam and ASEAN. Supported team in managing marketing events, utilized the Azure infrastructure to expand knowledge in the field of ML & AI.
- Empowered strategic and problem-solving mindset by participating in the planning phase of several successful hackathon events: GitHub Copilot, Azure OpenAI, AI Design Win, etc. which improved user experience for more than 100 accounts in 6 countries across ASEAN. Experienced in executing in-person events.
- Coordinated with team members to dive deeper into the Azure ecosystem and learned how to combine different components to create a powerful task-oriented Q&A chatbot with RAG technique.

## PROJECTS

*More details at [https://github.com/xuanhai365/myportfolio](https://github.com/xuanhai365/myportfolio)*

**Product Data Retrieval System**

- A real-time recognition system for retail product's information retrieval, combined with a recommendation system to enhance in-store shopping experience.
- Researched and experimented on each process in the system to find an optimized set of solutions that meet the requirements of real-time speed and accuracy.

**Customer Segmentation**

- Segmented customers into groups based on their application activity and identified customers with low satisfaction to give strategy on improvements.
- Pre-processed data, analyzed and visualized hidden patterns, tried several ML models to achieve precise predictions.

**Gender Classification**

- A simple and lightweight CNN-based model digesting front-face images for gender classification which can be utilized for many purposes.
- Constructed and performed tuning on model's architecture, hyperparameters and learning strategy to produce a model with high classification quality.

**Hands-on Algorithms**

- Regenerated several ML algorithms based on understanding and programming skills: Rule-based RecSys, Hierarchical & Representative-based Clustering, etc.

## PROFESSIONAL CERTIFICATE

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| **TOEIC** 900 | March - 2024 |
| **Google** Data Analytics Professional Certificate | March - 2023 |
| **DeepLearning.AI** Deep Learning Specialization | March - 2022 |

## ACTIVITIES

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| **Faculty's Volunteer Club** | 2020 - 2024 |
| Technical Support | |
| **Thach Thuc Tri Tue** | 2017 - 2020 |
| Technical Support | |