

# DAO TRONG KHANH

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## EDUCATION

National University of Singapore

Aug 2022 - Present

Bachelor of Engineering, Computer Engineering, Minor in Data Engineering

- Cumulative Average Point (CAP): 4.21/5.00 (Distinction)
- Relevant Coursework: Big Data Systems for Data Science, Data Structures and Algorithms, Machine Learning, Linear Algebra, Probability and Statistics, Discrete Structures

## TECHNICAL SKILLS

Programming Languages	Python, C++ (Proficient), Java, JavaScript (Intermediate)
Database/Data Processing	RDBMS, MySQL, Hadoop MapReduce, Apache Spark
Cloud Service	Amazon Web Services, Firebase
Web Development	React, SQL, NoSQL, HTML/CSS/JavaScript
Others	Git, FPGA Programming, Apache Airflow

## EXPERIENCE

Data Engineer Intern, FPT Information System Corporation

Vietnam, May 2023 - Aug 2023

Department's Project: **Fisheye** - A data tool designed to streamline data retrieval and mapping processes for Data Engineers.

- Developed DAGs using Spring Boot for user-configured workflows and REST API integration with databases.
- Utilized Apache Airflow and Apache Spark to design DAGs for data retrieval, transformation, and insertion into databases.
- Applied Apache Kafka and Spark Streaming to seamlessly process and insert real-time messages from Kafka topics.

## PROJECTS

Alex to the Rescue (Team of 4)

- Developed a simulation of a self-driven car, Alex the Bot, using Raspberry Pi OS and LiDAR technology.
- Successfully navigated a random map, reconstructed the map, detected obstacles, identified objects, and executed precise parking maneuvers.

StockXtreme (Team of 3)

- Created a real-time stock platform allowing users to browse stocks, view and analyze live stock data, manage portfolios, and engage in virtual trading.
- Developed front-end with React and integrated the platform with Firebase for back-end functionality.

## EXTRA-CURRICULAR ACTIVITIES

Sports: Football

Aug 2022 - Present

- Core member of NUS Recreational Football Team - prospective captain
- Captain of VN NUS FC (Vietnamese NUS Football Club)

Vietnamese Community in NUS

May 2023 - Present

- Head of Logistics, Executive Committee member
- Project Director, Night Cycling 2023 and Esta Noche 2024