



KHOA NGUYEN TRONG DANG

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CAREER OBJECTIVE

A highly motivated IT person with a solid foundation in **software development** and a strong interest in Artificial intelligence. Eager to contribute to a dynamic technological environment by applying problem-solving skills and a quick learning ability to build innovative, robust solutions, driving the development of impactful tech products.

EDUCATION

Ho Chi Minh City University of Industry and Trade

08/2021 - 04/2025

Bachelor of Information Technology | **GPA: 3.23/4**

SKILLS

Programming: Java, Python, Javascript, Golang, SQL

Frameworks & Library: Angular, Spring boot, ReactJs, .NET, Pytorch, Flutter

Databases: MySQL, Oracle, MongoDB

Tools & Platforms: Docker, Git, Linux

Languages: Vietnamese (Native) | English: **TOEIC(LR) 720, IELTS 6.0**

My certifications: khoa15.github.io/certifications.html

EXPERIENCE

Backend Intern

03/2024 - 12/2024

EduNetJSC

- **Researching** technical documentation from the open-source Frigate codebase, implement the detection module on the application.
- **Studying** and adjusting configurations resulted in a **2% improvement** object detection accuracy in the production environment.
- **Researching** IoT documentation, assist in maintaining water quality monitoring stations which are IoT devices.

AWARDS AND HONORS

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|---|---------|
| • Participating in Eureka 2023. | 12/2023 |
| • Encouragement Award for "Emergent products and topics in the information technology field", HUIT. | 7/2023 |
| • First prize in "Young coder's Competition: Finding the Best and Brightest", HUIT. | 6/2023 |
| • Third prize in "Science Fair". | 11/2020 |

PROJECTS

Exci

🌐 github.com/Khoa15/exci.git

- A simple app utilized Ollama to support users learning english. Using spaced repetition for personalized learning, create your own vocabulary collections. Search and save vocabulary through API dictionary.
- Prompting Ollama models to enhance vocabulary learning experience. One for AI chatbot, one for vocabulary search and save. Enhancing the user experience with a Flutter application.
- Developed a backend using ASP .NET to manage user data, vocabulary collections. Using Ollama system to handle AI chatbot and vocabulary search. Statistics and report in winform .NET application for admin.

Flutter

ASP.NET

Winform .NET

Ollama

Python

Note-Taking | Leader

 github.com/Khoa15/dury.git

- Developed a Spring Boot backend and REST API to manage notes, categories, and secure user authentication with full CRUD functionality.
- Integrated a Flask microservice for Optical Character Recognition (OCR), converting images to text using the Tesseract library.
- Designed and enhanced the Android application's UI to provide an intuitive experience for adding, updating, and deleting notes and categories.

Spring

Mongodb

Firebase

Android (Java)

Flask

Book management

 github.com/Khoa15/huit-dot-net-assignment.git

- Responsible for database design and business analysis for document management in the library.
- Designed and developed the interface for document and folder management. Implemented business logic and program flow.
- Ensured the program functioned correctly according to business requirements.

C#

.NET Windows Forms

SQL Server

Mini game SQL Injection

 github.com/Khoa15/mini-game-sql-injection.git

- Designed and developed a game that helps us understand SQL injection in a database course. It supports multiplayer using WebSockets.

HTML, CSS & Javascript

Bootstrap

Websocket

Expressjs

SQL Server

2HKinformatics

 github.com/Khoa15/2hkinformatics.git

- Designed and developed complete management functionalities for administrators and user-centric business logic, including features for sales, product management, etc.
- Configured and maintained the website to ensure optimal performance.

php

HTML, CSS & Javascript

MySQL

Bootstrap

jQuery