

# Tien Hai Cao

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## Education

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**Danang University of Economics**  
*Bachelor of Ecommerce*

Oct 2022 – now

- GPA: 3.2/4.0

## Projects

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### Hybrid Recommender System

[view project](#) 

- Developed a content-based film recommendation system using TF-IDF and Cosine Similarity to suggest movies based on users' viewing history.
- Tools Used: Python, Scikit-learn, Jupyter

### Civil Law Chatbot

[view project](#) 

- Built a legal QA app using RAG with a vector database of Vietnamese civil law and Gemini AI to generate answers. Includes user auth, question submission, and QA history.
- Tools Used: Python, ReactJS, TailwindCSS, FastAPI, Supabase, Langchain

### Choose Right Cinema

[view project](#) 

- Built a Node.js/Express service to recommend cinemas based on location, date, and showtime using geospatial queries, real-time routing (OSRM), and AI (Gemini). Data scraped and stored in MongoDB with Redis caching.
- Tools Used: ExpressJS, ReactJS, MongoDB, Redis, Puppeteer

### Virgo Chat

[view project](#) 

- Developed Virgo Chat (Node.js) with Google OAuth, Face ID auth, real-time messaging, group/private chat, notifications, calls, and admin dashboard.
- Tools Used: ExpressJS, NextJS, MongoDB, SocketIO, TailwindCSS, FaceapiJS

### Icondenim Clone

[view project](#) 

- Built an e-commerce website inspired by Icondenim using Spring Boot, PostgreSQL, Redis, RabbitMQ, and SMTP for email delivery.
- Tools Used: Java, Spring Boot, RabbitMQ, Redis, PostgreSQL, SMTP, ReactJS

## Technologies

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**Languages:** Python, Golang, Java, JavaScript, TypeScript, SQL

**Technologies:** PostgreSQL, MySQL, MongoDB, Microsoft SQL Server, FastAPI, Spring Boot, Gin, ExpressJS, Redis, RabbitMQ

**DevOps Tools:** Docker, Git, PowerBI, Tableau

## Language Skills

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**English:** TOEIC: 450