

# NGUYEN TAN LOC

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## OBJECTIVE

- My full name is Nguyen Tan Loc, I am 22 years old and I am a fourth-year software engineering student at Can Tho University of Technology.

## EDUCATION

### CAN THO UNIVERSITY OF TECHNOLOGY

Bachelor of Software Engineering

- Major: Software engineer
- GPA: 3,45/4.0 (currently)

Ninh Kieu, Can Tho

Oct 2022 – March 2025 (prediction)

## PROJECTS

### Exam Papers Management System (thesis)

Team (size: 2, role: back-end)

Aug 2024 – Dec 2024

- **Descriptions:** The test bank system is designed to help teachers automatically generate random exam papers, creating and managing questions and related information.
- **Functions:** Automatically generate random exam papers, create, view, update and delete (Classes, Lessons, Chapters, Questions, Exam papers, Roles, Permissions, Users) and user authentication.
- **Technologies:** NestJS, Mongo DB, GraphQL.
- **Github:** <https://github.com/locnguyen2k2/exam-management-system>
- **Demo:** <https://exam-management-system-z76m.onrender.com/graphql>

### Laboratory Management System

Team (size: 3, role: back-end)

Jan 2024 – July 2024

- **Descriptions:** Developed the system management of borrowing, returning, and transferring items between rooms and creating, managing categories, equipment, tools, chemicals, users, permissions.
- **Functions:** CRUDs (item, room, category, borrowing, returning, user), and user authentication.
- **Technologies:** NestJS, MySQL, SwaggerAPIs.
- **Github:** <https://github.com/locnguyen2k2/laboratory-management-system>
- **Demo:** <https://laboratory-management-system.onrender.com/apis>

### HiCoffee – POS System

Team (size: 2, roles: back-end, front-end for mobile application)

Sep 2022 – Dec 2023

- **Descriptions:** Developed the POS system supports order placement at the counter and manages information and functionalities related to categories, products, areas, tables, orders, invoices, statistics, payments (cash only), users, and permissions. The system is set up on mobile applications so that staff can help customers order products.
- **Functions:** CRUDs (products, categories, areas, tables, orders, invoices, users, roles, permission), payment, statistic, and user authentication.
- **Technologies:** Php, MySQL, Ajax, Axios, React Native, HTML, CSS, Javascript.
- **Architecture:** MVC.
- **Github:** <https://github.com/locnguyen2k2/HiCoffee>

## SKILLS

- **Main skills:**
- **Programming Languages:** NestJS, TypeScript, Javascript, Php, SQL, NoSQL, HTML, CSS.
- **Frameworks and Libraries:** ReactJS, Ant design, SCSS, React Native, Ionic.
- **Programming Paradigms and Architectures:** RESTful API, GraphQL, OOP, MVC.
- **Database Management:** MySQL, MongoDB.
- **Tools & Platforms:** Git, GitHub, GitLab, Vercel, Render, NVM, Cloud Storage for firebase, Google Cloud Console (APIs & services).
- **Language:** Native Vietnamese and Intermediate English (TOEIC 520).