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CAO MINH QUAN

SOFTWARE ENGINEER INTERN

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EDUCATION

Ho Chi Minh City	University of Information Technology	09/2021 – Expected 06/2025
<ul style="list-style-type: none">• B.S.E In Computer Networks and Communications.• Coursework: Data Structures & Algorithms; Object-Oriented Programming; Databases; Mobile Application Development; Operating System; Networks and Systems Administration.		

CERTIFICATES

- Coursera's Meta Front-End
- Udemy's JavaScript Course 2023
- freeCodeCamp's JavaScript Algorithms and Data Structures

PROJECTS

eGreenBin	01/2023 – 05/2023
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A project for teachers to manage student's garbage disposal using an IoT and AI-enabled system. Recognized in the **Top 100** worldwide at the Google Solution Challenge 2023, involved a team of **8 members**.

Responsibilities:

- Built an IoT system with **3 hosts**.
- Collected sensor data using Arduino, implemented WebSocket protocol on ESP8266 and Flutter app for real-time data exchange and synchronization.
- Conducted testing with **100+ users**, ensuring system performance and user-friendliness.

ProtectED	01/2023 – 03/2023
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A mobile application tackling school violence, mitigating various forms of violence, as well as enhancing student safety from both physically as well as mentally aspects.

Responsibilities:

- Ideated, designed wireframes, UI/UX and managed project with a team of **4 members** to ensure timely completion, system performance and user-friendliness with **100+ users**.
- Developed a Flutter mobile app with GetX for state management, integrated Google Maps API for user interaction and data processing.
- Utilized Firebase for account authentication, real-time user location tracking within a **1km** radius.

ACTIVITIES

Front-End Developer	Google Developer Student Club	11/2022 – 07/2023
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GDSCs are university based community groups for students interested in Google developer technologies. Help students bridge the gap between theory and practice.

- Collaborated with the development team with 8 members, using ReactJS, Tailwind to build and maintain the [club's website](#).
- Work with sitemaps, userflows, wireframes, and other information design documents.

Chapter Lead	08/2023 - Present
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- Managed, monitored software project progress, and oversaw development.
- Supervised personnel and steered club growth.
- Collaborated with GDSCs member, crafted tech competition content, and built community projects.

AWARDS

• Top 100 globally	Google Solution Challenge 2023	05/2023
• Top 1 nationally	Google Developer Student Clubs Hackathon Vietnam 2023 competition	03/2023

LANGUAGES AND TECHNOLOGIES

- JavaScript, C++, Dart, SQL, Java, C#.
- ReactJS, Flutter, HTML, CSS, Tailwind, Docker, Git.