



Nguyen Duy Khang

3rd-year Student

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About me

I am a third-year Computer Science student at HCMUT - Ho Chi Minh University of Technology and I am interested in pursuing a career as a Software Engineer, with a particular focus on Backend Engineering.

In my free time, I keep up-to-date with the latest technology news and work on side projects. I have a keen interest in programming language designs and creating products that people will enjoy using.

Education

Computer Science Honors Program @ HCMUT

Passed all required modules Oct 2021 - current

Bachelor of Computer Science @ HCMUT

Current GPA: 3.5 / 4.0 Oct 2020 - current

Activities

Teaching Assistant @ HCMUT

Language: C++ Oct 2022 - current

I was in charge of three lab courses: Intro to Computing, Programming Fundamentals and Data Structures and Algorithms. In these courses, I helped students learn the basics of computing and programming, as well as more advanced topics like data structures and algorithms.

Volunteer @ Chung Ta Cung Tien

Subject: Calculus Dec 2020 - Dec 2021

As a member of the Department of Academics and later Head of Academics, I helped HCMUT students learn Calculus, Physics, and other subjects by organizing study sessions, mock exams, and managing online resources.

Skills

I am proficient in programming in TypeScript/JavaScript, Rust, and C++.

Non-exhaustive list of technologies I have worked with:

Languages: TypeScript/JavaScript/Deno/NodeJS, Rust, C++, Go, Python, Elm

Tools: Docker, Git, GitHub, Firebase

Web Frameworks: Svelte/SvelteKit, React/NextJS, Tailwind CSS, Vue

Mobile Frameworks: Flutter, React Native

Databases: SQLite, Redis, PostgreSQL, Firestore

Projects

BKalendar May 2021 - Sep 2022

Role: Solo

Technologies: SvelteKit, Tailwind CSS, Google OAuth 2.0, Google Calendar API

This tool allows students to import HCMUT timetables to Google Calendar. With this tool, students can easily manage their schedule and stay organized on Google Calendar.

Users: HCMUT students

Result: Thousands of HCMUT students used and found it helpful.

Document Repository Sep 2021 - Dec 2021

Role: Solo

Technologies: SvelteKit, Tailwind CSS, Notion API Beta

This website is designed to share learning materials from Chung Ta Cung Tien with HCMUT students and focuses on custom components such as emphasis on important information and interactive quizzes. Students can easily access learning materials to get better academic results.

Users: HCMUT students learning general subjects

Result: ~500 visits every day

Mock Examiner Jun 2021 - Aug 2021

Role: Frontend Developer in a 4-person team

Technologies: NextJS, Tailwind CSS, Firebase

This website provides user interfaces for both examinees and exam authors to organize mock exams. This helps students experience mock examinations when COVID-19 was still around.

Users: HCMUT students, Chung Ta Cung Tien members

Result: ~300 students participated in each mock exam

Monotonicity Table Maker Sep 2020

Role: Solo

Language: Elm, Tailwind CSS

This tool parses simple monotonicity table construction language and generates MathJax/LaTeX code, using functional programming. This saves a lot of time spent making those tables by hand.

Users: High school students in online maths groups

Result: My underclassmen and friends used and liked it.