Quang Khai Lam

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I am a conscientious and enthusiastic third-year Computer Engineering
student. I have strong technical skills and great interpersonal skills,
enabling me to quickly adapt to any environment.

EDUCATION

- **Ho Chi Minh University of Technology** — Ho Chi Minh City, Vietnam
  High Quality Program - Bachelor of Computer Engineering — *Oct 2020 - Present*
  Relevant Courses: *Electrical Electronic Circuits, Computer Architecture, Data Structures and Algorithms, Operating Systems, Computer Networks, Microprocessors-Microcontrollers, IoT Application Development*

SKILLS SUMMARY

- **Languages** — HTML5, CSS3, JavaScript, Python, PHP, SQL, C/C++, Assembly
- **Frameworks** — ReactJS, Django, NodeJS
- **Tools** — GIT, MySQL, SQLite
- **Platforms** — Windows, Linux, Web, Arduino, Raspberry, STM32
- **Soft Skills** — Communication, Problem-Solving, Teamwork, Writing, Public Speaking, Time Management

PROJECTS

- **Smart Air Purifier System For Household Usage** — **Python, Flutter — Sep - Dec 2022**
    - Description: Implementation of an air purifier with abilities to detect temperature, humidity, PM2.5 dust and harmful gases concentration supporting with a mobile application for supervisor and control.
    - Field: Multidisciplinary Project - Software Engineering Major.
    - Role: Sensor System Implementation and IoTs Gateway Development.

- **Chess Clock With Editing Capability Using STM32F103C8T6** — **C — Sep - Dec 2022**
  Blue Pill Development Kit And 7400-Series Intergrated Circuits
    - Description: Implement a digital chess clock using an STM32 microcontroller and other integrated circuits on the breadboard.
    - Field: Logic Design Project - Computer Engineering Major.
    - Role: Display Driver Implementation.

- **Simle Traffic Lights System** — **C — Sep - Dec 2022**
    - Description: Traffic lights system for an intersection with three modes (automatic, modifying waiting time for green and yellow lights) using custom board with STM32F103RBT6 MCU.
    - Field: Microprocessors-Microcontrollers Project.
    - Role: Collaborative Developer.

LANGUAGES

- **Vietnamese**: Native speaker.
- **English**: IELTS 7.5 Certificate - Achieved in 2020.