

Khai Lam Quang | Third-year Student

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Applications for Internship in:

- Web Development
- Hardware Design/Development Engineer
- C/C++ Programming for Hardware
- IoTs and Network Security

Education

Program	Institution/Board	CGPA	Year
<i>Bachelor</i> (Computer Engineering - High-quality program)	Ho Chi Minh University of Technology Vietnam National University, Ho Chi Minh City	7.0/10	2020-2024

Knowledge

- Data Structure and Algorithm
- Database System
- Computer Architecture
- Electrical Electronic Circuits
- Logic Design with Verilog HDL
- Web Development
- Operating System
- Computer Networks
- Micro-processor - Micro-controller
- Internet of Things Application Development

Technical Skills

- Programming Techniques
- Object-oriented Programming
- Programming Language: C, C++, Python, Assembly
- Database System: PHPMyAdmin, MySQL
- Tools: Latex, Microsoft Office, Quartus and ModelSim, PSpice for TI, Altium Designer, Proteus
- Version Control: Git, Github
- Web Technology: HTML, CSS, Javascript, PHP
- Operating System: Windows, Linux(Ubuntu)

Course Projects

1. *Smart Air Purifier System For Household Usage* Sep - Nov 2022 HCMUT

- Description: The air purifier with abilities to detect temperature, humidity, PM2.5 dust and harmful gases concentration supported by a mobile Flutter application for supervisor and control.
- Language: Python
- Role: Sensor System Implementation and IoTs Gateway Development
- Field: Multidisciplinary Project - Software Engineering Major
- Github project: Still in process

2. *Traffic Light with Modes* Sep - Nov 2022 HCMUT

- Description: Traffic light system for an intersection with multiple modes using custom mainboard with STM32F103RBT6 micro-controller
- Language: C
- Role: Collaborative Developer
- Field: Micro-processor - Micro-controller Project
- Github Link: Still in process

3. *Statistical Research using R*

May 2022
HCMUT

- Description: Analyse the relationships between various CPU specifications.
- Language: R, Latex
- Role: Collaborative Developer
- Field: Probability and Statistic Project
- Github Link: github.com

4. *Tic-Tac-Toe Game*

April 2022
HCMUT

- Description: 5x5 Tic-Tac-Toe game with some new specific rules.
- Language: Assembly
- Role: Main Developer
- Field: Computer Architecture Project
- Github Link: github.com

Achievements/Awards

- *Long Ho's Godfather* (2015).

Others

- Languages: Vietnamese(Native Speaker), English(2 Language - IELTS 7.5 Certification - Achieved in 2020)