

# [NGUYEN XUAN THANH]

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## EDUCATION

**[Danang University of Science and Technology]** **[DaNang City],[Vietnam]**  
*Faculty of Electronics - Telecommunications* Expected:02/2024

- **Honors:** Graduated
- **Major:** Computer Engineering

**[Danang Microsoft IT Academy]** **[DaNang City],[Vietnam]**  
*Python Developer* Expected:12/2022

- Programming Python (OOP and Networking)
- Machine Learning

**C++ Developer** Expected:12/2021

- Object Oriented in C++ Programming
- Data structures and algorithms

## WORK & LEADERSHIP EXPERIENCE

**[Vietnam Internet Network Information Center - VNNIC]** **[DaNang City],[Vietnam]**  
*[Intern], [Network Operations and Exploitation Department]* [02/2023]–[09/2023]

- **Project 1: Planning, building and deploying a Network system for the business environment.**
  - Training knowledge about Network Systems, network protocols (OSPF, BGP,...)
  - Skill: System overview, Drafting project documents, Network resource allocation.
- **Research and optimize network protocols (TCP/IP, HTTP/HTTPS)**
  - Measure and evaluate the performance of current protocols
  - Develop new algorithms and methods to improve performance
  - Tools: Wireshark, EVE-NG
  - Skill: C++ Programming, logical thinking, algorithm processing.
- Participate in and monitor network activities at NOC - VNNIC office.
- Learn about issues of ensuring Network security in information storage at the Data Center

**[FPT Software Company Limited]** **[Danang City],[Vietnam]**  
*[Software Engineer], [FPT Global Automotive & Manufacturing]* [10/2023], [Present]

- Research and improve the Communication Network System - CAN in cars
- **Project 1: Research and develop Map Application for cars in Japan.**
  - Objective: Developed a positioning and navigation application tailored for the Japanese market, utilizing local map data.
  - Tools & Technologies: QT Framework (C++), QML, Linux OS, MVC architectural pattern.
- Responsibilities:
  - Conducted thorough research on available map data specific to Japan and integrated it into the application.
  - Implemented the core functionalities for real-time navigation, including route planning, turn-by-turn directions, and traffic updates
  - Designed the application architecture following the MVC model to ensure a clear separation of concerns, enhancing maintainability and scalability.
  - Conducted rigorous testing and debugging to ensure the application met performance and reliability standards
- **Project 2: Research and Development of a Media Player Entertainment Application.**
  - Objective: Created a media player application to enhance in-car entertainment systems.

- Tools & Technologies: QT Framework (C++), QML/XML, MVC architectural pattern, Linux OS  
Responsibilities:

- Design and implementation of the media player, supporting various audio and video formats
- Integrated playback controls, playlist management, and media library features.
- Utilized the QT framework to build a responsive and intuitive user interface.
- Packaged and released the application on the Linux system, ensuring compatibility with in-car hardware and software environments.
- Engaged in continuous improvement cycles based on user feedback and emerging requirements.

Skills & Experience Gained:

- Proficiency in C++ and the QT framework for developing robust applications.
- Understanding of Linux OS and its application development environment
- Expertise in implementing MVC architecture for clear and maintainable codebases.
- Experience in developing applications for automotive environments, focusing on usability and reliability.
- Problem-solving skills and the ability to work collaboratively in a team setting.

## **SKILL, ACTIVITIES & INTERESTS**

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**Language:** English ( TOEIC 600)

**Technical skills:** CCNA, Linux(Ubuntu), C/C++, QT, Git, Github, Jira BitBucket.

**Certifications & Training:** Python (SDC, 2022), C++ (SDC, 2021)