LINH HONG NGUYEN

#### IT Consultant

Summary

An Embedded Software Engineer with entry-level experience specializing in software development, microcontrollers, hardware design, and firmware.

Adept at identifying opportunities to enhance hardware and software performance for large-scale technology implementations.

Knowledge

* **Technologies**:
  + C/C++, python, Design patterns, OOP
  + Win32 platform programming
  + Plugin architecture
  + IDE: Visual studio, Eclipse.
  + SCM: Git, SVN
  + OS: Windows, Linux, VM
* **Functional Expertise**:
  + Project management with Waterfall or SCRUM methodologies
  + Software architecture and design: Anticipate Problems, Design Pattern, detailed design.
* **Industry Expertise**:
  + IoT
  + SCADA

Hitachi Experience

### Hitachi Vantara Vietnam

##### DAIN-JP-P-CMSJetDrive Feb 2022– Current

Development of printer’s controller applications for different models, with the main language C/C++, win32 GDI, and plugin architecture.

* **Responsibilities:**
* Develop applications using C/C++ and python.
* Directly communicate with the client for clarifying requirements, solution discussion
* Design and maintain Embedded 'C/C++' code for printer system
* **Accomplishments:**
* Knowledge of Win32- GDI platform programming
* Knowledge of printer system
* Knowledge of plugin architecture
* Experienced Scrum methodologies
* **Technologies**:
* C/C++
* Win32 platform programming
* Plugin architecture
* Redmine, Git, SVN

### Hitachi Vantara Vietnam

##### Intership Sep 2022– Feb 2023

Scope of the project is to port from a PHP-based web application to ASP.NET Core MVC.

* **Responsibilities:**
* Complete C/C++ and Python language training
* Complete Win32 exercise
* Design and code for JetDrive project
* **Accomplishments:**
* Knowledge of C/C++
* Knowledge of Embedded system
* Knowledge of Win32 API
* Develop teamwork, communication, and problem-solving skills
* **Technologies**:
* C/ C++
* Win32 API
* Git, SVN
* Visual studio

Prior Work History

### Da Nang University of Science the Technology

##### Member of team Oct 2018 – Jan 2023

* **Project’s name: Temperature-Humidity-AWS**
* Temperature & Humidity data logging on Amazon web services IoT Core with NodeMCU ESP8266 using Arduino IDE and MQTT Protocol
* **Tech stack**: C/C++
* **GitHub**: https://github.com/HLinhNguyen283/Temperature-Humidity-ESP8266-AWS

### Da Nang University of Science the Technology

##### Member of team Oct 2018 – Jan 2023

* **Project’s name: Obstacle\_avoiding\_robot/RTOS**
* This project requires to design and build a robot system that can run straight and avoids obstacles. A program based on Real-time Operating System (RTOS) for microcontroller to control robot
* **Tech stack**: C/C++
* **GitHub**: <https://github.com/HLinhNguyen283/Obstacle_avoiding_robot-RTOS>

Education and Certifications

* Automatic and Control Engineering Technology - 2023

Administrative: INTERNAL USE ONLY

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Purpose

This template primary purpose of this resume template is to provide a simple, consistent format to capture and organize pertinent resume information that can be used primarily for staffing purposes. It is not intended to be a format that will serve all internal and external purposes, but it has been designed in such a way that resumes can be easily modified to serve specific needs. It is assumed that the content may need to be combined, rearranged, reworded, or edited in other ways to meet specific internal or external needs. Given this purpose, please provide as much information as possible in the appropriate formats in order to provide the most flexibility in usage.

Specific Instructions

**Summary** – Please be sure this is in paragraph form and will be easily copied to a single PowerPoint slide.

**Work Experience** – Please use format in bullet from rather than paragraph form. Please include technologies where relevant.

**Footer** – Please be sure to edit the Footer content to include your name.

Client Cross Reference

Instructions:

1. Once you have completed your resume, right click on one of the “Generic Company Name” items and click on UPDATE FIELD. Your generic company names used in the resume will be automatically populated.
2. Enter the actual client name on the same line in the right column as the generic version in the left column.

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| **Generic Client Name** | **Actual Company Name** |
| [An IT Consultancy Company in Singapore](#_Toc525754171)  [A steel factory in Malaysia](#_Toc525754172)  [Generic Company Name #3](#_Toc525754173) | IBM Singapore  Factory XYZ in Kuching, Malaysia  Actual Client Name |