CURRICULUM VITAE
NGUYEN DANG SON
11-Aug-1990

HaNoi – Viet Nam
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EDUCATION

Nguyen Hue Gifted High School – Ha Dong - Hanoi   2005 - 2008
Hanoi University of Science and Technology (HUST)   2008 - 2013
Bachelor of Engineering (Electronics Engineering)
Specialization in Microelectronics

MAIN SKILLS

Programming language: C, C++, Python
TCP/IP stack: lwIP, RTCS (NXP Real-Time TCP/IP Communication Suite)
Embedded RTOS: freeRTOS, MQX, QNX
Automated testing system development
Fundamental Linux development
Multi-platform application development using Node.js

Personality

Fast learner with strong leadership and interpersonal skills
Excellent analytical, logical, and critical thinking skills

Teamleader

Embedded system training course for undergraduate students of ESRC lab, HUST, Viet Nam
(2013-2014 Altium Design)
Projects on university course

Language

English.

Listening and Reading	Excellent ☐	Good ☒	Medium ☐	Not good ☐
Speaking and Writing	Excellent ☐	Good ☐	Medium ☒	Not good ☐

WORKING EXPERIENCE

Project on Course

Digital Door Lock using PIC16F877A
Electronic Thermal Meter using ATmega16
CMOS Memory Standard Cell

Undergraduate Research on ESRC lab, HUST, Viet Nam

FPGA design using VHDL language and Embedded System design training courses
SPI core using VHDL on Altera DE1 development KIT
Bomberman Game on Nios2 processor
Research and analyze Broadcom Set-top Box reference software design
Research and Develop Satellite Set-top Box hardware design (final thesis)

Internship at Tan Phat Automation Join-Stock Company   2009

Clock Tower at Vietnam National Institute of Hygiene and Epidemiology
80 ton truck scale –Viglacera Corporation – Hoanh Bo – Quang Ninh
POV Led display

Internship at Uvision Company   2011-2012

BTS surveillance headend base on Microsoft Silverlight technology

VTV Broadcast and Telecom Service Company Limited (VTVBroadcom)   2013

Research and deployment of HbbTV in VietNam
HbbTV STB firmware development
HbbTV application development
Research and deployment of Broadcast EPG system

FPT Software Company Limited (FSoft) 2014-2016
      MQX OS kernel development and maintenance
      Converting middlewares and applications from MQX RTOS to FreeRTOS for
      Freescale ARM microcontrollers
      Other tasks in the area of embedded RTOS and TCP/IP

LG Electronics VietNam 2016-now
      In-Vehicle Infotainment software development
      In-Vehicle Infotainment middleware development

Freelancer
      OpenCV & Raspberry Pi line-following robot
      Game: Pong, Brick, Tank on Atmega8 and Nokia 5110 LCD
      Build peripheral control examples on STM32F0, STM32F4
      Websocket controlled quadrocopter (EMBED LPC-1768)
      VGA, PS/2 keyboard VHDL module
      Oil tank management system for car manufacture

REFERENCES

Mr. Nam, Pham Ngoc   Professor, Vice Dean, Vice Head of department of   nam.phamngoc@hust.vn
                          Electronics and Telecommunication, HUST, Viet Nam   tel: (+84) 98 360 84 52