

CURRICULUM VITAE



THIEU QUANG TOAN

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EDUCATIONS:

September, 2002 to April, 2007

Bachelor of Electrical and Electronics Engineering, majoring in Electronic Engineering, Ho Chi Minh City University of Technology (GPA 7.6/10), <http://www.hcmut.edu.vn>, Ranking 2nd among 150 students graduated in 2007 in the Dept of Electrical Engineering.

Certificate: “**Nonlinear Approximation Techniques in Signal and Image Recovery**”, Information Technology Institute Vietnam National University and Universite Pierre et Marie Curie, Paris 6, France.

Certificate: “**Digital Signal Processing, Summer Seminar 2008**”, Ho Chi Minh University of Technology, Vietnam Education Foundation (VEF) and the National Science Foundation (NSF - USA)

September, 1998 to April, 2002:

Nguyen Binh Khiem High School, Vinh Long Province, Vietnam

Award: **The third prize in Physics**, finalist of National Physics Competition, 2002, Vietnam

PROFESSIONAL EXPERIENCES:

January 2013 to present:

Company: Advance Development Electronics, (<http://adelectronics.vn>)

Position: Firmware Designer and Development - Hardware Designer.

- Design (Firmware) the smart home system.
- Design (Firmware) the medical bed using for obesity patient in hospital for US customer.
- Design (Firmware) the air mattress of medical bed for US customer.
- Design (Hardware) I/O extensions relay board to interface with PLC of medical bed for US customer.

April, 2009 to January 2013:

Company: Research and Development Center of Viettel Group, (<http://www.viettel.com.vn>)

Position: Hardware Designer.

- Design (Hardware) and develop smart phone 3G-Handset project using MSM7227A 1GHz chipset of Qualcomm. Device supports Android 2.3, touch screen interface, 3G, WIFI and Bluetooth.
- Design (Hardware) and develop in USB – 3G Project using MSM6290 of Qualcomm. Device supports HSDPA 7.2Mbps and HSUPA 5.6Mbps.
- Design (Hardware) AIO PC for Viettel client.
- Design (Hardware) Home Gate Way and Metro Ethernet Switch project to co-operate with Accton.

August, 2008 to April 2009

Company: Tekbox Digital Solution, Vietnam, (<http://www.tekbox.net>) and AT&S ECAD

Technologies Pvt. Ltd, (www.atsecad.com)

Position: Hardware and Software Designer.

- Design (Firmware) and prototype GPS tracking and logging device as navigation device.
- Develop (Firmware) SDI-12 protocol (www.sdi12.org) for sensor device.

- Design (Firmware) and develop compass sensor device for ADCON customer (www.adcon.com) using in agriculture.
- Design (Firmware) and prototype soil moisture and salinity sensors to monitor moisture, humidity and salinity in soil for the ADCON.
- Design (Hardware) and develop GPS module “ATS3625, ATS2825 and eMD3620” for AT&S in Austria (www.ats.net).
- Design (Hardware) GPS test system to test automatically GPS module in assembly production for AT&S .
- Design (Hardware) GPS test system to test automatically GPS module in assembly production for the NAVMAN
- Design (Firmware) and prototyped GPS on Video device for Red Bull as a camera accessory.
- Design (Firmware) and developed RPM meter to monitor car speed.
- Design (Firmware) and prototyped touch sensor board to control the light system.

February, 2007 to August, 2007

Company: Arrive Technologies Inc. - IC design Company, (www.arrivetechologies.com)

Position: Test Designer (ASIC)

- Program and test ATM Cell and PLCP package that are transported and mapped in SONET/SDH, Ethernet over SONET/SDH transmission.

SKILLS:

Gain experienced in bringing up product in Thailand (GEI company), China (Fox link company), USA factory.

➤ Hardware:

- ✓ Embedded System.
- ✓ Micro-controller 8 /32 bits (AVR, ARM7, ARM cortex-M3)
- ✓ MEM (accelerator)
- ✓ Interfaces (UART/I2C/SPI/USB/SDI-12....)
- ✓ GPS system
- ✓ GSM
- ✓ WAVECOM

- ✓ FREERTOS and OS-II

➤ **Software / Language:**

- ✓ VERILOG HDL
- ✓ VHDL
- ✓ C/C++
- ✓ ORCAD
- ✓ CADENCE

➤ **Tool:**

- ✓ AVR Studio 4
- ✓ IAR for ARM/AVR
- ✓ Image Craft
- ✓ KEIL
- ✓ Linux

LANGUAGES:

- English: speaking, reading and writing (TOEIC 735)
- Vietnamese: native language.

REFERENCE: Available upon request.