DUC Manh Nguyen Ph.D.

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SUMMARY

- I was born in Hai Duong, Viet Nam in November, 1989. I got my Ph.D. from University of Ulsan in Feb. 2020.
- Solid programming skill and simulation experience in MATLAB/Octave, C/C++, Python.
- Solid RTL coding experience in Verilog HDL, solid digital system design experience in ASIC/ FPGA.
- Solid understanding about the digital signal, image, audio processing algorithms.
- Strong background in mathematical such as: Coding theory, Abstract algebra, Linear system, transformation.
- My current interests: ASIC, Active pen protocol, Touchscreen system, FPGA for DL/AI/ML.

EDUCATION

UNIVERSITY OF ULSAN-UOU   02/2015-02/2020 / Korea

Ph.D. in Electrical Engineering

- Researcher assistant at Coding and Information theory lab.

HANOI UNIVERSITY OF SCIENCE AND TECHNOLOGY-HUST   09/2007-06/2012 / Vietnam

B.S in electronics and telecommunication

- Image processing, GSM system.

EXPERIENCE

G2TOUCH   03/2020-now / Korea

Researcher and engineer

- Digital system design of active pen supported touchscreen controller IC.

ADVANCED NETWORK SYSTEM VIETNAM   6/2014-2/2015 / Vietnam

Network system engineer

- maintain and deploy Charging services for VMS-Mobifone.

SAMSUNG ELECTRONIC VIETNAM   9/2012-5/2014 / Vietnam

Mobile software Developer

- Customer adaptive modification of android smart-phone models.

PANASONIC R-D CENTER   1/2012-3/2012 / Vietnam

Internship Student

- 3D-Graphic Software developer.

SKILLS

PROGRAMMING	*Experienced:* Verilog HDL	MATLAB *Familiar:* C	Cpp	Shell	Python	Java
IC DEVELOPMENT	ASIC RTL coding/ verification	VLSI front end	SoC	IP cores	Digital system design	DSP
EMBEDDED	Altera D10-standard	Andes D10 core	STM32F401	ADS5271	Arduino-UNO
FRAMEWORKS/LIBRARIES	Orge 3D	Open GL	Open CV	Android SDK	Anaconda	Jupyter	Matplotlib	Numpy
LANGUAGES	*Native:* Vietnamese *Fluent:* English *Intermediate:* Korean

EXTRA

- My life is around transformation: Hadamard, Hilbert in university and digital filters, Fourier in company.
- I like bolero, folk songs, and crazy about football. I dream a lot and work hard to make it come true.