Nhut Nguyen, Ph.D.

Senior C++ Software Engineer

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WORK EXPERIENCE

DEC 2022 – PRESENT (2 MO)

Alipes ApS
Research Infrastructure Engineer

Assure the trading algorithms run in microseconds.

DEC 2021 – NOV 2022 (1 YR)

CLAAS E-Systems Denmark
C++ Software Developer

Modernized the base software for smart cameras in agricultural machinery with the new Embedded IT platform.

AUG 2018 – SEP 2021 (3 YRS 1 MO)

Synopsys Denmark ApS
Senior R&D Engineer

Improved the robustness of the timing optimization engines to 95% and its performance to 2x.

FEB 2016 – JULY 2018 (2 YRS 6 MOS)

Teklatech A/S
Software Development Engineer

Modeled the Power Delivery Network with all complex connections.

AUG 2012 – DEC 2015 (3 YRS 5 MOS)

Technical University of Denmark
Employed Ph.D. Student

Provided an explicit construction for asymptotically Error-Correcting Codes using the theory of Drinfeld modular curves in Algebraic Geometry and Number Theory.

JAN 2005 – JUL 2012 (7 YRS 7 MOS)

Vietnam National University HCM – University of Science
Lecturer

Designed, gave lectures and supervised students on the courses of Algebra Computer Systems, Cryptography, Coding Theory, Arithmetics.

MAY 2011 – SEP 2011 (5 MOS)

eSilicon Vietnam
Software Developer

Developed an automated system that generated metal connections for test chips. Designed 5 practical projects for students to work for the company as interns.

SOFTWARE DEVELOPMENT SKILLS

ARCHITECT/TECHNIQUE	Agile Software Development Object-Oriented Programming Test-Driven Development Multithreaded Programming Embedded Systems
PROGRAMMING	C++, Tcl, C#, Python Yocto
TOOLS	VS Code, Eclipse, Jira, Linux Git, GitHub, Perforce Jenkins, MS Azure
COMMUNICATION	Teams, Slack Documentation, Code Review

EDUCATION

2012 – 2015	**Doctor of Philosophy** APPLIED MATHEMATICS AND COMPUTER SCIENCE Thesis: Asymptotically Good Codes *Technical University of Denmark*
2005 – 2009	**Master of Science** ALGEBRA AND NUMBER THEORY Thesis: Group-based Cryptography *VNUHCM – University of Science*
2000 – 2004	**Bachelor of Science** MATHEMATICS AND COMPUTER SCIENCE Thesis: Face Detection *VNUHCM – University of Science*

INTERESTS

PROBLEM SOLVING	Solve LeetCoding Challenges
WRITING	Technical Articles, Personal Blogs
SPORTS	Football, Badminton, Swimming
OTHERS	Learn New Skills Everyday

LANGUAGES

ENGLISH	Fluent
DANISH	Limited working proficiency
VIETNAMESE	Native