

Curriculum Vitae

Nguyen Ngoc Khanh

PERSONAL INFORMATION

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Nationality: Vietnamese
Address: Singapore

EDUCATION

08/2023 – 05/2025 **Master of Science in Mathematics (Coursework)**
National University of Singapore, Singapore
Grade: 4.55 / 5.00
Relevant coursework: Differential Manifolds, Algebraic Topology, Commutative Algebra, Homological Algebra

08/2017 – 05/2021 **Bachelor of Engineering in Computer Science**
Nanyang Technological University, Singapore
Thesis: Cluster analysis on dynamic graphs
Relevant coursework: Theory of Computation, Algorithms, Compilers

INDEPENDENT STUDIES

2025 – Present Independent study in Algebraic Geometry: Schemes

PROFESSIONAL EXPERIENCE

05/2022 – Present **Senior Research Engineer I**
Agency for Science, Technology and Research (A*STAR), Singapore
Research and develop machine learning models for speech and speech-to-text applications

05/2021 – 05/2022 **Software Engineer**
Shopee, Singapore
Maintain and develop software for distributed systems

AWARDS & HONORS

2015 **Silver Medal**
International Physics Olympiad

2015 **Gold Medal**
Asian Physics Olympiad

2014 **Bronze Medal**
Asian Physics Olympiad

TECHNICAL SKILLS

Programming	Lean4, Python, Go, C/C++
Typesetting	L ^A T _E X
Software	el2: a minimal dependent type checker telescope: a large-file-capable text editor

LANGUAGES

English (fluent), Vietnamese (native)