

Tien D. Nguyen

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- PERSONAL Email: ngdnhtien@gmail.com
Phone: (+84) 766 429 931 / (+65) 8483 4961
Current residence: Hanoi, Vietnam
- EDUCATION **VNU University of Science** (VNU-HUS)
B. S., Physics, 2020 - (exp.) 2024
CGPA: 3.71/4.00
HCMC University of Technology (HCMUT)
B. Eng. (Honor), 2017 - 2019
- EXPERIENCE **Undergraduate researcher**, VNU-HUS 06/21 – now
Supervisor: *Dr. Hung Quoc Nguyen*
Research focus: Quantum information processing with higher energy states (qutrit) on programmable superconducting transmon processors.
Visiting student, Center for Quantum Technologies (NUS) 07 – 10/23
Supervisor: *Prof. Valerio Scarani*
Research topic: Robustness to decoherence of bosonic codes based on non-Gaussian states with odd rotational symmetries.
- OUTREACH **Head of Academic Affairs**, HUS Physics Club 09/20 - 12/22
Chief coordinator of scientific activities.
- SELECTED HONORS **Scholarship/Fellowship/Grant** Government of Binh Duong (2018), Nguyen Hoang Phuong (2020), Dean's list (2020–2023), Pony Chung (2022), **Unitary Fund** (2023).
Competitive UPC Physics 2021: **Silver medal** (ranked 18/127).
Misc. École polytechnique's double degree nominee (2020).
- COMPETENCES **Languages** Vietnamese (*native*), English
Techniques C, Python, \LaTeX , git, Matlab
- TALKS *Universal control in high-dimensional Hilbert spaces of a superconducting qutrit.*
HUS Student Research Symposium: First Prize (04/23).
- PUBLICATIONS C. Ha, G. Bao, **D. Tien**, M. Duc, V. Duy, Q. Hung. Simulating neutrino oscillations on a superconducting qutrit.
Physical Review D **108** (2), 023013 (2023)