

- EDUCATION**      **VNU University of Science**  
B. S., Physics, 09/2020 – (expected) 2024.  
CGPA: 3.71/4.00. Rank: 1/98.
- EXPERIENCE**      **Undergraduate researcher**, VNU University of Science      06/21 – now  
Supervisor: *Dr. Hung Quoc Nguyen*  
Research topic: Quantum computation with high-energy states on programmable superconducting transmon processors.
- Visiting student**, Center for Quantum Technologies (NUS)      07/23 – 10/23  
Supervisor: *Prof. Valerio Scarani*  
Research topic: Properties of bosonic codes based on non-Gaussian states with odd rotational symmetries.
- Visiting student**, Center for Quantum Technologies (NUS)      02/24 – now  
Supervisor: *Assoc. Prof. Ng Hui Khoon*  
Research topic: Two-mode bosonic gates for error correction in a circuit quantum electrodynamics architecture.
- OUTREACH**      **Head of Academic Affairs**, HUS Physics Club      09/20 - 12/22  
Chief coordinator of scientific activities.
- SELECTED HONORS**      **Scholarship/Grant**  
Government of Binh Duong Province (2018).  
Nguyen Hoang Phuong Scholarship (2020, 2023).  
Dean's list (2020 – 2024).  
Pony Chung Scholarship (2022).  
Unitary Fund (2023).
- Competition**  
UPC Physics 2021: **Silver medal** (ranked 18/127).
- PUBLICATIONS**      C. Ha, G. Bao, **D. Tien**, M. Duc, V. Duy, Q. Hung. Simulating neutrino oscillations on a superconducting qubit.  
*Physical Review D* **108**, 023013 (2023).
- TALKS**      Universal control in high-dimensional Hilbert spaces of a superconducting circuit.  
HUS Student Research Symposium: *First Prize* (04/23).
- MISC.**      *Languages* – Vietnamese (*native*), English.  
*Techniques* – C, Python, L<sup>A</sup>T<sub>E</sub>X, git, Matlab, QuTiP, Qiskit.