

Vo Chau Duc Phuong

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EDUCATION

The Abdus Salam International Center for Theoretical Physics <i>Diploma student</i> <i>Condensed matters and statistical physics</i>	Trieste, Italy Sep 2024 – Now
University of Science <i>Honours B.Sc. degree in Physics; GPA: 8.88/10.0</i> <i>Specialize in Theoretical Physics</i>	Ho Chi Minh city, Vietnam Sep 2020 – July 2024
Thoai Ngoc Hau highschool for the gifted <i>Majots in Physics; GPA: 9.1/10.0</i>	An Giang, Vietnam Sep 2017 – July 2020

SKILLS

Coding Languages: FORTRAN, PYTHON, L^AT_EX, MATLAB

RESEARCH EXPERIENCE

Ho Chi Minh City Institute of Physics <i>Internship</i>	Ho Chi Minh city, Vietnam Feb 2023 – July 2023
<ul style="list-style-type: none">Worked on the “Calculation of Shift Tensor in Transition Metal Dichalcogenide” project under the supervision of Dr. Huynh Thanh Duc. Results has been reported in the International Conference on Energy, Infrastructure and Environmental Research (EIER 2024).Worked on my bachelor thesis: “Calculation of The Linear-Absorption Spectrum of An Ideal Two-dimensional System of MoS_2”. Using Semiconductor Bloch Equations, the Coulomb interaction had been taken into account using the Hatree-Fock approximation. This work confirms the exciton binding energy in MoS_2 in agreement with experiments using a model with a minimum number of energy bands. The findings were presented to the Department of Theoretical Physics at the University of Science in Ho Chi Minh City, Vietnam, receiving a grade of 9.4/10.	

AWARDS & ACHIEVEMENTS

Odon-Vallet scholarship: Scholarship for high school’s and college students, especially in science. (2018)

Scholarship For Top Student In The Honours Class: Awarded to the top 1 student in the honours class every semester. (2020-2023)

2nd Prize in the ”National Physics Olympics for College Students”: Annual Contest for college students in Vietnam, host by Phenikaa University, Hanoi, Vietnam. (2022)

Golden Medals in ”Traditional 30/04 Olympiad”: Annual Contest for gifted high school’s students in Vietnam, host by Le Hong Phong high school for the gifted, Ho Chi Minh city, Vietnam. (2018 & 2019)

ORGANIZATIONS AND VOLUNTEER EXPERIENCE

Organizations

Math and Science Summer Program 2024 (MaSSP) <i>Headmentor</i>	Phenikaa University, Hanoi, Vietnam July 2024
Math and Science Summer Program 2023 (MaSSP) <i>Mentor</i>	University of Education, Hanoi, Vietnam July 2023
Member of Academic field of NES club <i>Member</i>	Ho Chi Minh city, Vietnam Sep 2020 – July 2024

Volunteer

ICTP 60th Anniversary

Member

Trieste, Italy

November 2024

Volunteer Spring

Member: Teaching elementary student, inspiring them in science

Ho Chi Minh city, Vietnam

2022 & 2023

Green Summer Campaign

Member: teaching and reporting scientific reports

University of Science, Ho Chi Minh city, Vietnam

2022 & 2023

Member of Academic field of NES club

Member

Ho Chi Minh city, Vietnam

Sep 2020 – July 2024