

# Hoang Long Nguyen

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 Singapore/Vietnam

 longnguyen270197

## Education

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**Nanyang Technological University & University of Groningen**, Physical Chemistry  
Double Degree.  
Thesis title: Excitonic Energy Transfer Processes in Photosynthetic Systems studied with Two-dimensional Electronic Spectroscopy.

Singapore  
2019 – 2024

**Nanyang Technological University**, Applied Physics  
Honours (Highest Distinction).  
Minor in Nanotechnology.

Singapore  
2015 – 2019

## Experience

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**Nanyang Technological University**, Research Fellow

Singapore  
2024 – present  
2 years

**Nanyang Technological University**, Project Officer

Singapore  
2019 – 2019  
1 year

## Volunteer

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**People's Climate March**, Lead Organizer

Lead organizer for the New York City branch of the People's Climate March, the largest climate march in history.

Zurich, Switzerland  
Apr 2014 – July 2015

- Awarded 'Climate Hero' award by Greenpeace for my efforts organizing the march.
- Men of the year 2014 by Time magazine

## Publications

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**Zur Elektrodynamik bewegter Körper**

It concerned an interpretation of the Michelson–Morley experiment and the properties of light and time. Special relativity incorporates the principle that the speed of light is the same for all inertial observers regardless of the state of motion of the source.

Albert Einstein

[en.wikisource.org/wiki/Translation:On\\_the\\_Electrodynamics\\_of\\_Moving\\_Bodies](https://en.wikisource.org/wiki/Translation:On_the_Electrodynamics_of_Moving_Bodies)

**Über einen die Erzeugung und Verwandlung des Lichtes betreffenden heuristischen Gesichtspunkt**

In the second paper, he applied the quantum theory to light to explain the photoelectric effect. In particular, he used the idea of light quanta (photons) to explain experimental results, but stressed the importance of the experimental results. The importance of his work on the photoelectric effect earned him the Nobel Prize in Physics in 1921.

Albert Einstein

[de.wikisource.org/wiki/%C3%9Cber\\_einen\\_die\\_Erzeugung\\_und\\_Verwandlung\\_des\\_Lichtes\\_betreffenden\\_heuristischen\\_Gesichtspunkt](https://de.wikisource.org/wiki/%C3%9Cber_einen_die_Erzeugung_und_Verwandlung_des_Lichtes_betreffenden_heuristischen_Gesichtspunkt)

**Die Grundlage der allgemeinen Relativitätstheorie**

The publication of the theory of general relativity made him internationally famous. He was professor of physics at the universities of Zurich (1909–1911) and Prague (1911–1912), before he returned to ETH Zurich (1912–1914).

Albert Einstein

[de.wikisource.org/wiki/Die\\_Grundlage\\_der\\_allgemeinen\\_Relativit%C3%A4tstheorie](https://de.wikisource.org/wiki/Die_Grundlage_der_allgemeinen_Relativit%C3%A4tstheorie)

## **Skills**

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### **Physics**

## **Languages**

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### **German**

Native speaker

### **English**

Fluent

## **Interests**

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### **Physics**

## **Certificates**

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### **Machine Learning**

Jan 2018

### **Quantum Computing**

Jan 2018

### **Quantum Information**

Jan 2018

## **Projects**

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### **Quantum Computing**

Jan 2018 – Jan 2018

Quantum computing is the use of quantum-mechanical phenomena such as superposition and entanglement to perform computation. Computers that perform quantum computations are known as quantum computers.

- Quantum Teleportation
- Quantum Cryptography

## **References**

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### **Professor John Doe**

### **Professor Jane Smith**