

Khoi Tuan Hoang

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EDUCATION:

TEMPLE UNIVERSITY, College of Science & Technology, Philadelphia, PA August 2016 to Present
Bachelor of Science, Expected Graduation: May 2020
Majors: Physics and Chemistry Double Major
GPA: 4.0 (out of 4.0) | Dean's List: Fall 2016 – Fall 2017

VNU-HCM High School for the Gifted, Ho Chi Minh City, Vietnam August 2013 to May 2016
Major: Physics
GPA of Senior Year: 9.6 (out of 10)

SELECTED COURSEWORK:

Honors Calculus I, II & III	Introduction to Modern Physics
Linear Algebra with Computer Lab	Physical Chemistry I & II
Probability Theory I	Techniques of Chemical Measurement I
Wave Physics	Introduction to Chemical Research Techniques
Mathematical Physics	Honors General Chemical Science I & II
Classical Mechanics	Honors General Chemistry Laboratory I & II

LABORATORY EXPERIENCE:

Acid Base Titration	Colorimetric Analysis
Conductimetric Titration	Calorimetry
Potentiometric Titration	Gas Chromatography

RESEARCH EXPERIENCE:

Physics Research Assistant/Dr. Bernd Surrow's Lab December 2016 to August 2017,
Temple University, Philadelphia, Pennsylvania

- Provide theoretical basis of reconstructing methods for kinematics of electron-proton scattering
- Assist in error analysis and data mapping using ROOT

Physical Chemistry Research Assistant/Dr. Eric Borguet's Lab under URP December 2017 to Present,
Temple University, Philadelphia, Pennsylvania

- Using ultrafast lasers to perform Second Harmonic Generation (SHG)
- Using nonlinear spectroscopy to investigate electric field-induced plasmon behavior at the surface of different types of particles.

AWARDS:

The winning team for Temple's Mathematical Contest in Modeling	2017
National Academic Competition (in Vietnam)	
· Second prize in Physics	2016
· Third prize in Physics	2015
The silver medal in Physics at April 30 Olympiad	2015
Australian National Chemistry Quiz	
· Certificate of CLASS Excellent – 100%	2015
· Certificate of High Distinction	2014
First prize in Regional Experimental Biology Competition	2010

SCHOLARSHIPS:

Provost scholarship of Temple University,	August 2016 to May 2020
Odon Vallet Scholarship of Rencontres Du Vietnam Organization,	2015
Lawrence S.Ting Scholarship	2015

WORK EXPERIENCE:

Tutoring Physics, Math, and Chemistry	January 2017 to Present
· Experienced in One-on-One and Small-Group Tutoring	
· Create online content for test review	
· Holding Exam review for large group of students (lecture style and workshop style)	

ACTIVITIES:

· Member, American Physics Society,	December 2017 to Present
· Member, Math Club at Temple University,	January 2017 to Present
· Member, Physics Club at Temple University,	September 2016 to Present
· Member, Science Scholar Program of Temple University,	August 2016 to Present
· Member, Robotics Club, HCMC American Center,	April 2016 – July 2016
· Participant, SEA Makerthon in Ho Chi Minh City,	June 2016
· Team leader, Magnetic Levitation Train Model Project at VNU-HCM High School for the Gifted,	February 2015- April 2015
· Participant, MWIT Science Fair in Thailand,	January 2015

SKILLS:

Microsoft Office Suite (Word, PowerPoint, Excel)
Technical Skills: MATLAB, Wolfram Mathematica, R, LaTeX, C++, Python
Languages: Fluent in English and Vietnamese (Written and Oral)