

Manh Tien NGUYEN

UNDERGRADUATE STUDENT LOOKING FOR AN INTERNSHIP OF 8-12 WEEKS

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Education

Ecole polytechnique

Palaiseau, France

DIPLOME D'INGÉNIEUR

Sep. 2014 - Present

- Eiffel Excellence Scholarship by the French Ministry of Foreign Affairs and International Development

University of Sciences

Ho Chi Minh city, Vietnam

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

Sep. 2010 - Mar. 2014

- Honors program, majored in Mathematical Analysis

High school for the Gifted (Pho Thong Nang Khieu)

Ho Chi Minh city, Vietnam

MAJORED IN MATHEMATICS

2007 - 2010

Languages & Skills

English TOEFL iBT **91/120** — Graduate Record Examinations (GRE) Verbal: **153/170**, Quantitative: **168/170**

French Test de connaissance du français (TCF) **level C1**

Scientific \LaTeX , MATLAB, SciLab, FreeFem++, Maple, R, Mathematica.

IT Unix shell, C/C++, Java, Adobe Flash, VB, GNU/Linux

Extracurricular Activity

Summer Program on PDEs and Applied Mathematics

Vietnam Institute for Advanced
Study in Mathematics

PARTICIPANT

Sep. 2014

PDEs and Continuum Mechanics — Oneday workshop in PDEs — Some Mathematical Problems related to Electromagnetic Waves.

Summer camp for Gifted students in Mathematics

Vietnam National Program for the
Development of Mathematics

MENTOR IN 2010-2013, PARTICIPATING STUDENT IN 2009

2009 - 2013

- Preparing students with high mathematical background for the Vietnam National Olympiad in Mathematics
- Supervising student projects
- Proposing middle and final evaluations
- Organizing self-study sessions, taking charge of some logistic issues

Selected Honors & Awards

INTERNATIONAL

2010 **World Finalist**, Shing-Tung Yau High School Mathematics Awards. Project: *A stone-picking game*.

Beijing, China

2008 **Silver Medal**, Singapore Mathematical Olympiad (Open section)

DOMESTIC

2014 **Valedictorian**, University of Sciences, Ho Chi Minh city

2011 **Honorable Mention & Scholarship for potential student**, Undergraduate Research Program.
Project: *A basis-constructing algorithm for finitely generated modules over PID*.

2010 **Head of entrance**, University of Sciences, Ho Chi Minh city

2010 **Third Prize**, Vietnam Mathematical Olympiad

2009 **Gold Medal in Mathematics**, Traditional Olympiad in South of Vietnam

Courses taken at Ecole polytechnique

PHYSICS

- PHY311** Quantum Mechanics
- PHY430** Advanced Quantum Mechanics
- PHY431** Relativity and Variational principles
- PHY433** Statistical Physics 1
- PHY434** Statistical Physics 2

MECHANICS

- MEC430** Continuum Mechanics 1
- MEC431** Continuum Mechanics 2

APPLIED MATHEMATICS

- MAP311** Randomness
- MAP411** Numerical Approximation and Optimisation
- MAP431** Variational Analysis for Partial Differential Equations
- MAP432** Modelisation of random phenomenons
- MAP434** Control of dynamical models

MATHEMATICS

- MAT321** Real Analysis and Introduction to Variational Methods
- MAT431** Dynamical systems
- MAT433** Theory of Distributions
- MAT451** Algebra and Galois theory

INFORMATIQUE

- INF311** Introduction to Informatics
- INF411** Basic Programming and Algorithm

ECONOMICS & SOCIAL SCIENCES

- ECO311** Introduction to Economic Sciences
- HSS311** Entreprendre en société