

# Ngoc Do QUYEN DANG

## PERSONAL INFORMATION

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Personal page: [LinkedIn](#)

## EDUCATION

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**PhD in Applied Mathematics** 2024 - present

IFP Energies nouvelles - Université Paris-Saclay

Acceleration of Newton-like methods for nonlinear algebraic systems by preflattening techniques

**Master in Applied Mathematics** 2023 - 2024

Master Franco - Vietnamien de Mathématiques Appliquées ([MFVMA](#))

Université de Tours, France

Mention Très Bien

**Bachelor in Mathematics** 2019 - 2023

Ho Chi Minh University of Education, Vietnam

Graduated at rank 3/150

## PUBLICATION

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D. N. D. Quyen. (2024). Convergence and convergence rates of damped Newton methods. *HCMUE Journal of Science*, 21(3), 446-459. DOI: [10.54607](#)

## RESEARCH EXPERIENCE

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**Master thesis** 04 - 07/2024

Galton-Watson processes in varying environments

**Undergraduate thesis** 2022 - 2023

Newton Methods and Their Applications in Optimization

**Scientific Research** 2022 - 2023

Global Convergence of Newton Methods in Optimization

**Academic Project** 2021 - 2022

Proximal Gradient Methods for Quasiconvex and Pseudoconvex Functions

## HONORS AND AWARDS

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**Second Prize** in Scientific Research Contest, Ho Chi Minh City University of Education, Vietnam

**Outstanding Female Students** award, Ho Chi Minh University of Education, Vietnam

**Outstanding Academic Activities** award, Ho Chi Minh University of Education, Vietnam

**Outstanding Member of Youth Union** award, Ho Chi Minh University of Education, Vietnam

**Excellence Scholarship** award, Ho Chi Minh University of Education, Vietnam

**Highest Score** in graduation ceremony, Ly Tu Trong High School, Vietnam

## SKILLS

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**Programming languages** Python, MATLAB, C++, R

**Communication languages** English (advanced), French (elementary)