

## PERSONAL INFORMATION

**Place of birth** Ben Tre, Vietnam  
**Address** Palaiseau 91120, France Limoges 87100, France  
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## RESEARCH INTERESTS

Diffusion models, generative models, machine learning, statistical learning, mathematics

## EDUCATION

2021 - present **Université de Limoges** Limoges, FR  
*Master of Science* in Applied Mathematics for Artificial Intelligence (ACSYON)  
Complete Master 1 (July 2022) with GPA 18.727/20 (*Très bien*)

2018 - 2022 **Ho Chi Minh City University of Technology** Ho Chi Minh, VN  
*Bachelor of engineering* in Computer Sciences with GPA 8.45/10  
Thesis: “*Study of Topic Modeling using Latent Dirichlet Allocation on Travel Reviews Data*”

2015 - 2018 **Ben Tre Highschool for the Gifted** Ben Tre, VN  
*Gifted student* in Mathematics

## WORK EXPERIENCES

Feb - Jul 2023 **IRT SystemX** Palaiseau, FR  
*Research Intern* in diffusion models  
Project: “*Robustification des réseaux de neurones via des Modèles Probabilistes de Diffusion*”  
Subjects: generative models, image-to-image translation, stochastic differential equations  
Skills: PyTorch

2021, summer **CyberLogitec Viet Nam** Ho Chi Minh, VN  
*Research and Development Intern* in Computer Vision  
Project: “*Surveillance System for Bags on Hanger*”  
Subjects: Object detection, object recognition, object tracking  
Skills: PyTorch, TensorFlow

## PUBLICATIONS

Gonzalez, Martin et al. (2023). “SEEDS: Exponential SDE Solvers for Fast High-Quality Sampling from Diffusion Models”. In: *arXiv preprint arXiv:2305.14267*.

## PROJECTS

May 2022	<b>E-commerce</b> <i>Application project</i> in Web development Subjects: database design, web design, web development Skills: HTML/CSS, Javascript, PHP, MySQL	Ho Chi Minh, VN
June 2021	<b>Smart Home</b> <i>Multi-disciplinary project</i> in Computer Science Subjects: system design, database management, Android development Skills: Java, Python, Firebase services	Ho Chi Minh, VN
December 2020	<b>E-learning</b> <i>Application project</i> in Database System Subjects: database design, database management, web development Skills: HTML/CSS, Javascript, NodeJS, MySQL	Ho Chi Minh, VN

## HONORS

2019 - 2020	<b>University's Student with 5 Merits</b>	Ho Chi Minh, VN
2018, spring	<b>2nd Prize, Ben Tre Mathematical Olympiad</b>	Ben Tre, VN
2018, spring	<b>Consolation Prize, Vietnam Mathematical Olympiad</b>	Ben Tre, VN
2017, summer	<b>Gold Medal, 30/4 Olympics in Mathematics</b>	Ho Chi Minh, VN
2017, spring	<b>2nd Prize, Ben Tre Mathematical Olympiad</b>	Ben Tre, VN
2016, winter	<b>Silver Medal, HSGS Olympiad in Mathematics</b>	Ben Tre, VN

## AWARDS

2022, fall	<b>Nouvelle-Aquitaine Region Scholarship for Master 2</b>	Limoges, FR
2018, summer	<b>Odon Vallet Scholarship</b>	Ho Chi Minh, VN
2018, summer	<b>4th Prize, Truong Vinh Ky Award</b>	Ben Tre, VN
2017, summer	<b>Odon Vallet Scholarship</b>	Ho Chi Minh, VN
2017, summer	<b>3rd Prize, Truong Vinh Ky Award</b>	Ben Tre, VN

## SKILLS

**Programming languages** C/C++, Python, Java, MATLAB/Octave

**Languages** English: TOEIC 830 (2021)

## ACTIVITIES

August 2019	<b>Support Freshman Program</b> Help first-year student complete the admission Participate in guiding student visiting Cu Chi Tunnel	Ho Chi Minh, VN
2019, summer	<b>Green Summer Campaign</b> Build cement-concrete roadway to improve the quality of life in the countryside Join in organizing Mid-Autumn Festival for kids	Ben Tre, VN