TRAN Dinh Vinh Thuy

Master 2 ACSYON

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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 Techonology**   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	**E-commerce**	Ho Chi Minh, VN

Application project in Web development
Subjects: database design, web design, web development
Skills: HTML/CSS, Javascript, PHP, MySQL

June 2021	**Smart Home**	Ho Chi Minh, VN

Multi-disciplinary project in Computer Science
Subjects: system design, database management, Android development
Skills: Java, Python, Firebase services

December 2020	**E-learning**	Ho Chi Minh, VN

Application project in Database System
Subjects: database design, database management, web development
Skills: HTML/CSS, Javascript, NodeJS, MySQL

HONORS

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

AWARDS

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

SKILLS

Programming languages	C/C++, Python, Java, MATLAB/Octave
Languages	English: TOEIC 830 (2021)

ACTIVITIES

August 2019	**Support Freshman Program**	Ho Chi Minh, VN

Help first-year student complete the admission
Participate in guiding student visiting Cu Chi Tunnel

2019, summer	**Green Summer Campaign**	Ben Tre, VN

Build cement-concrete roadway to improve the quality of life in the countryside
Join in organizing Mid-Autumn Festival for kids