Phone: 0384490137   E-mail: ttntram2496@gmail.com

Tram Tran Thi Ngoc

Education

University of Melbourne

- **Master of Computer Science (with Distinction)**
- March 2021 - October 2022
- WAM: **80/100**

Ho Chi Minh city University of Technology

- **Bachelor of Engineering - Honor Program**
- *Major: Computer Science*
- September 2014 - June 2018
- GPA: **8.37/10** (ranking in top 5% intake 2014)

Research Experiences

Graph representation of urban traffic flow

- *Graduate Work*
- *Supervisor: Prof. Majid Sarvi*
- December 2022 - April 2025
- Video prediction using diffusion and other generative models for transporation data
- Modeling online traffic data using Graph Neural Network

Anomaly detection in malaria surveillance data

- *Research Project*
- *Supervisor: Assoc. Prof. Nicholas Geard and Dr. Pauline Lin*
- March 2022 - October 2022
- Automatically detecting unexpected signals in malaria surveillance data
- Exploring techniques for data preprocessing and anomaly detection in timeseries data
- Using an integrated dataset collected in Brazil

Music Genre Classification

- *Thesis*
- *Supervisor: MSc. Truong Quang Hai*
- October 2017 - June 2018

Research Experiences (continued)

- Applying machine learning algorithms to categorize the music genre.
- Working on Artificial Neural Network, Convolutional Neural Network, spectrogram of sound

Work Experiences

SEA Ltd Group	- *Software Engineer* - November 2018 - February 2021 - Developing internal tools and co-branded websites for Shopee. - React, React Hooks, Express, Node.JS, HTML5, CSS
VNG Corporation	- *Software Engineer* - August 2017 - October 2018 - Developing and maintaining the Zalo Official Account website. - Angular, Node.JS, HTML, CSS, Java
Smartdatics	- *Software Engineer Intern with salary* - June 2017 - August 2017 - Developing websites for various outsourcing projects. - React, Express, Node.JS, HTML, CSS

Honors and Awards

Melbourne Research Scholarship	- Offered to high-achieving students who are in a graduate research program. - 2023 - 2025
Melbourne Graduate Scholarship	- Offered to international students for their graduate study in recognition of their academic achievements. - 2022
Melbourne School of Engineering Foundation Scholarship	- Providing a living allowance for high-achieving students enrolling in a Full Fee place. - 2021 - 2022

Honors and Awards (continued)

Vingroup Scholarship	• *Vingroup Science and Technology Scholarship Program for Overseas Study for Master's and Doctoral Degrees* • Financial support for Master of Computer Science program at University of Melbourne • 2021 - 2022
Microsoft Youthspark Scholarship	• Offered to high-achieving female students in technology • 2016 - 2018
Ho Chi Minh city University of Technology Scholarship for Academic Achievement	• 2015, 2017, 2018

Technical skills

Skills

Programming languages	• Python - Data science libraries, Prolog, Haskell, C/C++, C#, SQL, Scala, JavaScript, Java
Collaborative skills	• Self-learning, teamwork, research • *Agile Software Development with Scrum* issued by Axon Active Vietnam

Language proficiency

English	• IELTS Certificate with overall band 6.5 issued by IDP (Nov 2019)

List of Academic Referees

Assoc. Prof. Nicholas Geard	• School of Computing and Information Systems • The University of Melbourne • E-mail: nicholas.geard@unimelb.edu.au • Supervisor for the research project in Master of Computer Science program

List of Academic Referees (continued)

Prof.
Marianne Winslett

- Research Professor Emerita
- University of Illinois at Urbana-Champaign
- E-mail: winslett@illinois.edu
- Interviewer and advisor in Vingroup Scholarship program

Assoc. Prof.
Pham Tran Vu

- Dean, Faculty of Computer Science and Engineer
- Ho Chi Minh city University of Technology, Vietnam
- E-mail: ptvu@hcmut.edu.vn
- Lecturer in Bachelor of Engineering program

MSc.
Truong Quang Hai

- Department of Information Systems, Faculty of Computer Science and Engineer
- Ho Chi Minh city University of Technology, Vietnam
- PhD. student at Singapore Management University (SMU), Singapore
- E-mail: qhtruong.2018@phdcs.smu.edu.sg
- Supervisor for the thesis in Bachelor of Engineering program