

Hieu Trung Nguyen

GitHub: <https://github.com/HieuNT91> Email: hilljun.2000@gmail.com Google Scholar: [Google scholar](#)

A results-driven AI Engineer with 3 years of experience specializing in:

- Deploying large-scale LLMs, integrating advanced multi-agent prompting and reasoning capabilities.
- Designing and building chatbots specifically tailored for the medical domain.
- Collecting data and training deep learning models for appearance-based eye gaze estimation.

EDUCATION

The Chinese University of Hong Kong <i>PhD Systems Engineering & Engineering Management</i>	August 2024 - Present
University of Information Technology (Vietnam National University - HCM) <i>Bachelors in Computer Science with Honour</i>	April 2022

EXPERIENCE

VinAI - Vingroup Senior Research Resident @ Machine Learning Group	Aug. 2022 – Jul. 2024
Research in Recommender system, Continual Learning, Large Language Models, Optimization	
Applied Project (6 months): Eye Gaze Estimation - AI core for intelligent driver assistant system.	
Advisor: Prof. Viet Anh Nguyen	
VinUni AI Research Engineer	Aug. 2023 – Dec. 2023
Joint work with Hanoi Obstetrics & Gynecology Hospital, build an LLM-powered screening chatbot to develop the next generation of gynecological care	
Build the backend and main AI core for the chatbot to screen patient's profile and appointment booking	
In Collaboration with Prof. Khoa Doan 's team	
Team Computational Resources Coordinator	Aug. 2023 – Present
Responsible for researching, acquiring, setting up, maintaining, and managing the most suitable computational resources to support the research needs of a team of 20 members working on Deep Learning and Optimization.	

PUBLICATION

Hieu Trung Nguyen , Bao Nguyen, Binh Nguyen, Viet Anh Nguyen, Task-driven Layerwise Additive Activation Intervention (Main conference - NAACL 2025)	
Ngoc Bui, Hieu Trung Nguyen , Viet Anh Nguyen, Rex Ying, Structure-aware Graph Explainer via Myerson-Taylor Interaction Index (ICML 2024)	
Bao Nguyen, Binh Nguyen, Hieu Trung Nguyen , Viet Anh Nguyen, Generative Conditional Distributions by Neural (Entropic) Optimal Transport , (ICML 2024)	
Hieu Trung Nguyen , Duy Nguyen, Khoa D. Doan, Viet Anh Nguyen, Cold-start Recommendation by Personalized Embedding Region Elicitation (UAI 2024)	
Hieu Trung Nguyen , Tran Dinh Khang, Ngoc Hoang Luong, Combining Soft-Actor Critic with Cross-Entropy Method for Policy Search in Continuous Control (IEEE CEC 2022 - Oral)	

PREPRINT

Nghia D. Nguyen, Hieu Trung Nguyen , Ang Li, Hoang Pham, Viet Anh Nguyen, Khoa D. Doan, Forget but Recall: Incremental Latent Rectification in Continual Learning (under review)
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AWARDS

Honour List (all academic years), UIT Global Awards, Best Bachelor thesis award, ICML 2024 Travel Grant

SKILLS

Languages: Vietnamese (Native), English (IELTS Academic 7.5)
Programming & Tools: Python, C, C#, Javascript, SQL, Vector Database, Git, Wandb