Hieu Nguyen

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EDUCATION

The Chinese University of Hong Kong Aug. 2024
PhD System Engineering & Engineering Management

University of Information Technology (Vietnam National University - HCM) April 2022
Bachelors in Computer Science with Honour

COURSEWORK

Courses: Object-Oriented Programming, Data Structures & Algorithms, Linear Algebra, Calculus, Probability & Statistics
Awards: Honour List (all academic years), UIT Global Awards, Best Bachelors thesis award

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 backend and main AI core for chatbot to screen patient's profile and appointment booking
In Collaboration with **Prof. Khoa Doan**'s team

PUBLICATION

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 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)

PROFESSIONAL SERVICE

Reviewer: NeurIPS 2024

SKILLS

Languages: Vietnamese (Native), English (IELTS Academic 7.5)
Programming: Python, LaTeX
Tools: Git/GitHub, Docker, Vscode