Vincent (Vu) Le

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: 140 Governors Dr, Amherst, MA 01002, United States

EDUCATION

University of Massachusetts Amherst, USA

Doctor of Philosophy in Computer Science — *August 2024 - present*

Vietnam National University, Hanoi (VNU).

Bachelor of Engineering — *August 2018 - June 2022*

SKILLS

Technical Skills

- **Programming** - Python, Bash scripting, Scala, SQL, TypeScript.
- **Frameworks** - PyTorch, OpenCV, Slurm, React, NodeJS.
- **Tools & Technology** - Linux, LaTex, Git, Emacs Lisp, Networking, HPC, Containers.

EXPERIENCE

University of Massachusetts Amherst — Massachusetts, USA

Gradudate Teaching & Research Assistant — *August 2024 - present*

- Doing research on machine learning for quantum computing and quantum computing for machine learning.

Markov-AI — San Francisco Bay Area

Co-founder (remote) — *Sep 2023 - present*

- ***.live, available on IOS, is a new startup platform which helps users find the best local events in a given location based on their interests in quick. I design data pipeline, system design, AI systems, Web UI, scaling and virtually anything in a tech startup.

Freelance — USA

Software Engineer (remote) — *Oct 2023 - present*

- I work on reality capture, photogrammetry to construct volumetric objects, 3D computer vision, diffusion AI.
- Building REST API server with Celery, FastAPI, and Redis for these compute intensive applications.

George Mason University — FairFax, Virginia, USA

Research Collaborator (remote) — *Sep 2023 - Dec 2023*

- Doing research on real-time holographic telepresence via semantic communication and efficient neural human avatar rendering with Dr. Bo Han's group. I proposed patch-aware inference technique for rendering human avatar, increasing inference speed by around 6 times while witnessing small loss in rendering quality.

Phenikaa Group — Hanoi, Vietnam

Research Associate and Engineer — *July 2022 - Oct 2023*

Vietnam National University — Hanoi, Vietnam

Research Intern — *August 2020 - May 2022*

PUBLICATIONS

[1]. Cheng, Ruizhi, Nan Wu, **Vu Le**, Sthitadhi Sengupta, Eugene Chai, Matteo Varvello, and Bo Han. "MagicStream: Real-time Holographic Telepresence via Semantic Communication." MobiSys2024

[2]. Phan, Hai, Cindy Le, **Vu Le**, Yihui He, and Anh Totti Nguyen. "Fast and Interpretable Face Identification for Out-Of-Distribution Data Using Vision Transformers." In Proceedings of the IEEE/CVF winter conference on applications of computer vision, 2023.