

Tra My (Chiffon) Nguyen

San Francisco, CA, USA | chiffonng@uni.minerva.edu | [Github](#)

RESEARCH INTERESTS

Knowledge Extraction from Multimodal Data

Continual Learning and Knowledge Editing in Language Models (LMs): understanding how LMs store and utilize knowledge; retrieval augmentation and updating parametric knowledge

Language as instruction: language agents, code generation

EDUCATION

Minerva University

San Francisco, CA, USA

Bachelor of Science, Computational Science (GPA: 3.8 / 4.0)

09/2021 - Expected 05/2025

Relevant courses: Machine Learning, Statistical Modeling, Causal Inference, Software Engineering (React+Flask)

Working Capstone/Thesis: Training and fine-tuning a Vietnamese Small Language Model (~100M) on a 3GB dataset, advised by [Professor Patrick Watson](#), inspired by [TinyStories](#) and Phi-1.5 (Microsoft)

Self-Study: deeplearning.ai's Machine Learning Specialization, Natural Language Processing Specialization, [CMU's Advanced NLP](#), [Stanford's Large Language Models](#)

RESEARCH EXPERIENCE

Landshut University of Applied Sciences x BMW Group

Landshut, Germany

Research Intern (AI & Mixed Reality Lab)

04/2024 - Present

Topic: Point cloud registration (different sensors) and 3D scene graph

Advisors: [Professor Eduard Kromer](#) and [Professor Sandra Eisenreich](#)

T-Hub

Hyderabad, India

Student Researcher (Human Resources Department)

01/2023 - 04/2023

Topic: Mental health at workplace, qualitative + quantitative research

Supervisor: [Suvidha Jani](#)

TEACHING

Minerva University

Remote

Teaching Assistant, Introduction to Computer Science & Statistics

01/2022 - 04/2023

- Graded 80 weekly quizzes, provided personalized feedback, and hosted office hours for 200+ freshmen
- Assisted reviewing assignments, leading to a 20% improvement in students' academic performance
- Collaborated with faculty to refine course materials, increasing student engagement by 25%

PROJECTS

Capstone/Thesis: Can Small Language Models Speak Coherent Vietnamese?

05/2024 - Present

- Constructed a quality dataset of Vietnamese stories (3GB), combining translated content from TinyStories with crawled human-generated content.
- Training and fine-tuning a 100M-parameter Vietnamese Small Language Model on this dataset

Q&A with My Second Brain (Python, LlamaIndex, HuggingFace)

10/2023 - 02/2024

Implemented a retrieval augmented generation system to interact with personal knowledge base of PDFs and Markdown files, resulting in 50% more contextual and accurate answers, using LlamaIndex, sentence-transformer, and HuggingFace's Mistral and OpenAI API

SKILLS

Languages: Python, SQL, R, Javascript

Tools: Git, Docker, Excel/Google Sheets, Jupyter Notebook

Libraries: PyTorch, Hugging Face, scikit-learn, NumPy, Pandas, Matplotlib, PyMC, Scipy, LlamaIndex, LangChain

Frameworks: Flask, React, Jax/Flax

LEADERSHIP

- **Vietcode:** Led a team of 60 to organize online tech webinars and robotics classes for 500+ students
- **SheCodes Vietnam:** Coordinated the first all-female Vietnamese hackathon for 200 participants

REFERENCES

Patrick Watson, Professor, Minerva University, pwatson@minerva.edu

Eduard Kromer, Professor, Landshut University of Applied Sciences, Eduard.Kromer@haw-landshut.de