My (Chiffon) Nguyen

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Technical Skills

- **Programming Languages:** Python, TypeScript, R, SQL, Bash
- **Machine Learning:** PyTorch, HuggingFace (trl, transformers), unsloth, LangGraph, LlamaIndex, sklearn
- **Web & Database:** React, FastAPI, Express, PostgreSQL, Astro, Tailwind CSS, Flask, shadcn/ui
- **Tools:** Git, Docker, Linux/Unix, Render, Railway

Education

Minerva University, College of Computational Sciences Sep 2021 — May 2025

B.S in Computational Sciences (Machine Learning and Statistics), GPA: 3.7/4.0 *San Francisco, CA, USA*

- Relevant Coursework: Machine Learning (A), Causal Inference (A), Probability and Statistics (A-), Software Engineering
- Self-study & Certifications: AI Alignment (Bluedot Impact, 2025), Natural Language Specialization (deeplearning.ai, 2024), Machine Learning Specialization (deeplearning.ai, 2022)

Experience

Research Communication and Design Engineer Aug 2025 — Present

SEACrowd (AI Research Initiative for Southeast Asia) *Remote*

- Evaluating SEA-VL (multilingual vision-language model) with international research team to improve AI accessibility for low-resource languages and cultural contexts which affect 600M+ people across 10 countries
- Designing organization website (Jekyll, Bootstrap) to communicate publication progress and advertise research apprenticeship program for those from underrepresented background

Lead Teaching Assistant and Data Analyst Sep 2023 — May 2025

Minerva University, Programming with Python course *Remote*

- Taught 40+ first-year students from 20+ countries in hands-on weekly labs covering debugging, security, and computing
- Extracted 20 data-driven pedagogical insights using Google Drive API and analytics, improving learning outcomes such as

Machine Learning Research Assistant Jun 2024 — Aug 2024

AI & Mixed Reality Lab, Landshut University of Applied Sciences *Landshut, Bavaria, Germany*

- Implemented 3D object detection pipeline using LiDAR and PointPillars algorithm in PyTorch for autonomous navigation research with applications in agricultural and healthcare contexts
- Conducted comparative analysis across synthetic vs. real-world datasets, developing expertise in model evaluation crucial for responsible AI deployment

Selected Projects

Conscious AI Usage Tips (github.com/mychiffonn/conscious-ai-tips) Sep 2025 — Oct 2025

Full-stack website compiling tips for conscious and environmentally aware usage and development of AI models, with advanced filtering and sorting. Developed with HTML, PicoCSS, JavaScript, and PostgreSQL. Deployed on Render.

Astro Academic Portfolio Theme for Global Researchers (github.com/mychiffonn/website) Aug 2025 — Present

High-performance academic theme, enabling fast, accessible, and multilingual publishing of publications and technical blogs while ensuring top-tier SEO (80+) and Lighthouse (100) scores using Astro, TailwindCSS and shadcn/ui

AI-Powered Vocabulary Learning System (github.com/mychiffonn/mnemonic-gen) Oct 2024 — Mar 2025

- Developed educational AI system addressing language learning barriers for non-native English speakers preparing for tests with advanced English such as SAT and GRE, by leveraging memory devices of linguistic patterns
- Implemented chain-of-thought distillation: generated 10k synthetic reasoning examples from DeepSeek-R1, then fine-tuned Gemma-3-1b using Low-Rank Adaptation (LoRA) and Direct Preference Optimization (DPO) techniques

SeizureSavvy: Episode Management and Prediction (github.com/mychiffonn/SeizureSavvy) Feb 2024 — Apr 2024

- Led 4-person team building Progressive Web App (Flask, React, and SQLAlchemy) with comprehensive data tracking and ML-based predictive alerts for episodes, addressing critical healthcare accessibility needs
- Enhanced data accuracy by 35% and reduced critical bugs by 40% through systematic testing and user-centered design