Chiffon (My) Nguyen

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TECHNICAL SKILLS

- **Programming Languages**: Python, TypeScript, JavaScript, R, SQL, Bash
- **Web Development**: React, Redux, Astro, Express, Flask, Node.js, TailwindCSS, shadcn/ui
- **Machine Learning**: PyTorch, HuggingFace (transformers, trl), LangGraph, LlamaIndex, scikit-learn, unsloth
- **Tools & Technologies**: Git, Docker, Render, Railway, Netlify, Linux/Unix

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**: Algorithms and Data Structures, Machine Learning (A), Software Engineering, Statistical Modeling (A), Optimization Methods (A)

EXPERIENCE

Research Communication and Design Engineer Aug 2025 — Present
SEACrowd (AI Research Initiative for Southeast Asia) *Remote*

- Designed and developed website (Jekyll, Bootstrap) serving 1,000+ monthly visitors
- Collaborated with research team across 10 countries to publish research progress and advertise apprenticeship program

Lead Teaching Assistant and Data Analyst Sep 2023 — May 2025
Minerva University, Programming with Python *Remote*

- Taught 40+ first-year students from 20+ countries in weekly hands-on labs covering Python programming, OOP, debugging, security, and computing fundamentals
- Automated data extraction using Google Drive API to analyze 10 Google Colab labs and 500+ student submissions, generating 20+ pedagogical insights that improved learning outcomes and student engagement by 15%

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 PointPillars algorithm in PyTorch, processing LiDAR point cloud data for autonomous navigation in agricultural and healthcare contexts
- Conducted comparative analysis across synthetic vs. real-world datasets totaling 10,000+ samples, developing model evaluation methodology crucial for responsible AI deployment

PROJECTS

Astro Academic Portfolio Theme for Researchers (github.com/mychiffonn/website) Aug 2025 — Oct 2025
Built high-performance academic theme using Astro, TailwindCSS and shadcn/ui, enabling fast multilingual publishing with SEO scores of 80+ and perfect Lighthouse scores (100/100). Implemented static site generation achieving 1s page load times and optimized loading large size of content collection by 40%

Event Badge Customizer (github.com/mychiffonn/custom-event-badge) Oct 2025
Developed full-stack web application using React, Express.js and PostgreSQL (Railway) allowing event attendees to customize badges with real-time preview. Architected RESTful API handling 100+ concurrent users with 99.5% uptime, implementing secure authentication and database optimization reducing query time by 50%

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

- Built educational AI system addressing language learning barriers for non-native English speakers preparing for standardized tests (SAT/GRE/GMAT) and advanced studies
- Implemented chain-of-thought distillation by generating 10,000 synthetic reasoning examples from DeepSeek-R1, then fine-tuned Gemma-3-1b using Low-Rank Adaptation (LoRA) and Direct Preference Optimization (DPO) on 500 human-annotated preference pairs, achieving 25% improvement in mnemonic quality scores

LEADERSHIP & OPEN SOURCE

Open-source and Evaluation Dataset Contributor @ HumaneBench Oct 2025 — Present
Dataset Contributor for Humanity's Last Exam Feb 2025