

Chiffon (My) Nguyen

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TECHNICAL SKILLS

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

AI Research Engineer

Oct 2025 — Present

Algoverse AI Research

Remote

- Researching scaling behavior of chain-of-thought monitoring in white-box language models (16 pairs of Qwen3 models)
- Building automated evaluation pipeline using Inspect AI and OpenRouter API, across BigCodeBench (coding) and reasoning tasks, to monitor suspicious behaviors (sandbagging, reward hacking)

Communication Associate and Design Engineer

Aug 2025 — Present

SEACrowd (AI Research Initiative for Southeast Asia)

Remote

- Designed and developed website (Jekyll, Bootstrap) to showcase research progress, serving 3,000+ monthly visitors
- Collaborated with research team to advertise apprenticeship program, increasing applications by 30%

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%

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 sub-1s page load times and optimized content collection loading by 40%, supporting 500+ publications and blog posts.

SportConnect: Eventbrite For Local Sports and Connections (github.com/mychiffonn/sport-connect)

Nov 2025

- Led two-person team building a community platform connecting users to local recreational sports events, featuring secure multi-provider OAuth authentication, comprehensive event management, event discovery, and real-time RSVP tracking
- Architected scalable application using React, Express, PostgreSQL, with 11 data validation rules preventing invalid user-created events and RSVPs

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), helping users retain 1000+ vocabulary words through AI-generated mnemonic devices
- Implemented chain-of-thought distillation pipeline generating 10,000 synthetic reasoning examples from DeepSeek-R1, then fine-tuned Gemma-3-1b using Low-Rank Adaptation (LoRA) and applied Direct Preference Optimization (DPO) on 500 human-annotated preference pairs, achieving 25% improvement in mnemonic quality and user retention

LEADERSHIP & OPEN SOURCE

Open-source and Evaluation Dataset Contributor @ HumaneBench

Oct 2025 — Present

Dataset Contributor for Humanity's Last Exam

Feb 2025