

My (Chiffon) Nguyen

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EDUCATION

Minerva University San Francisco, California, USA

Bachelor of Science, Computational Sciences (GPA: 3.7 / 4.0) Sep 2021 - May 2025

Relevant courses: Machine Learning, AI Ethics, Optimization Methods, Software Engineering, Statistical Modeling and Causal Inference, Bayesian Modeling

Global rotation: Sookmyung Women's University (Seoul, South Korea, Spring 2022), National Taiwan University (Taipei, Taiwan, Fall 2022), and three other cities

Certifications: [Natural Language Processing Specialization](#) / [Machine Learning Specialization](#) / [WorldQuant University Applied Data Science Lab](#) / [Google Data Analytics Professional Certificate](#)

RESEARCH EXPERIENCE

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

Undergraduate Research Intern Jun - Aug 2024

Developed a reproducible pipeline for 3D object detection with LiDAR point cloud data and PointPillars machine learning-based algorithm, and a benchmarking report on standard and synthetic datasets

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

TEACHING EXPERIENCE

Academics Team, Minerva University Remote or San Francisco

Lead Tutor & Data Analyst, PR51 Programming with Python Spring 2025

- Taught two weekly programming labs for 40+ first-year students covering computer systems, Python fundamentals, object-oriented programming, debugging, security, and data structures
- Produced a report of data-driven recommendations based on student and tutor surveys, Google Sheet trackers, and Google Colaboratory notebook comments (using Google Drive API)

Lead Teaching Assistant, FA50/FA51 Formal Analyses Fall 2022 - Spring 2024

- Guided 50+ first-year students per semester in mastering formal logic, probability, and algorithmic thinking during weekly office hours
- Provided personalized feedback on 25 quizzes and assisted grading three assignments

SELECTED PROJECTS

Portfolio and Blog Website [\[Site\]](#) [\[Github\]](#) Jun 2025

Built personal website using [Astro.js](#), UnoCSS, TypeScript and deployed with Cloudflare Pages

LINKS: Train LLMs to generate memory aids for English [\[Github\]](#) [\[HuggingFace\]](#) Nov 2024–Mar 2025

Generated linguistically grounded mnemonics for advanced English vocabulary by fine-tuning Google's open-source LLM Gemma 3 1B on synthetic linguistic reasoning data from DeepSeek R1 and Qwen 2.5

SeizureSavvy: Machine Learning-powered seizure management and prediction [\[Github\]](#) Feb–Apr 2024

Architected full-stack Progressive Web App with Python Flask backend, end-to-end data infrastructure, and React integration, while leading Scrum development for a team of four and code reviews

Q&A with My Second Brain [\[Github\]](#) Nov–Dec 2023

Built AI-powered question-answering system to interact with a personal knowledge base of PDFs and notes, using LlamaIndex, sentence-transformer embeddings, and OpenAI API GPT-3.5

SKILLS

Programming Languages: Python, SQL, JavaScript, TypeScript, R, Rust

Libraries/Tools: Git, Docker, Hugging Face ecosystem, PyTorch, scikit-learn, Scipy, PyMC, LlamaIndex

Web Frameworks: Flask, React.js, Astro.js, Nuxt.js

Languages: Vietnamese (native), English (advanced/C2), Mandarin Chinese (limited working proficiency)