TIMO SRINARMWONG

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PROFESSIONAL SUMMARY

Applied AI engineer with 3+ years across **data science, data engineering, and ML engineering** making LLMs measurably better through evaluation design, **quality-assurance** frameworks, RLHF/SFT **data pipelines**, and agent development on frontier-model programs at Meta, **Snorkel AI**, and three top AI research labs. Specialty: translating ambiguous customer and stakeholder goals into **technical specifications**, rubrics, and eval workflows that ship measurable gains. Strong **Python and SQL**; comfortable owning ambiguous problems **end-to-end** in fast-moving production settings.

SKILLS

Coding Language:: Python, SQL, C++, Java, Git, .NET, Harbor, Docker
ML/AI: Pytorch, Fine-tuning, RAG, Model Distillation, Jupyter, LoRA image gen, Benchmarking, Evaluation Framworks
Data Engineering: Data Pipelines, API Integration, Custom Tooling, Jupyter, Supabase, Hugging Face, Fireworks.AI

PROFESSIONAL EXPERIENCE

Snorkel AI **January 2026 - Present**
Coding Expert Contributor (Applied AI, Contract) *Remote — United States*
- Core contributor to project **Sentinel, Terminus 2nd Edition** (primary), with additional delivery on **Mojave**, and **Beaver**. Designing multi-step coding-agent tasks and evaluation data pipelines that train LLMs to reason and solve problems end-to-end.
- Designed multi-step coding-agent tasks and evaluation **data pipelines** used to train LLMs to reason through and solve complex problems **end-to-end**.
- Implemented 50+ verified Python solutions with full test suites — the evaluation scaffolding used to measure multi-step reasoning and tool-use reliability.
- Debugged and hardened 15+ task environments for reproducibility, cutting flaky/failed agent runs by ~30% across evaluation cycles.

Mercor **June 2025 - June 2026**
Artificial Intelligence Engineer (Contract) *Remote — United States*
- Built evaluation frameworks and quality-assurance measurement systems across multiple models and all 6 domains, surfacing systematic failure modes and improving model accuracy by 72% across iteration cycles.
- Translated ambiguous lab requirements into **technical specifications**, grading rubrics, and edge-case test suites; generated synthetic adversarial datasets that reduced hallucination on production LLM outputs.
- Provided ongoing **technical support** to research-lab stakeholders — resolving blockers and authoring expert code reviews that fed RLHF and SFT **data pipelines** used to align frontier models.

Meta **August 2024 - June 2025**
Artificial Intelligence Engineer (Contract) *New York, NY, USA*
- Led fine-tuning of Meta's production LLM for Thai-language generation, improving human-rated output quality by ~84% through targeted **data curation**, **specification** of quality criteria, and iterative evaluation.
- Curated and quality-scored 2,000+ training examples for low-resource generation, building the data pipeline that expanded coverage for GenAI workloads.
- Built Python fine-tuning and evaluation workflows pairing native-speaker judgment with model-behavior analysis to ship production gains.

Boundless Chicago **May 2023 - August 2023**
Field Sales Intern *Chicago, IL, USA*
- Ran the full in-person cycle for a free mobile-phone program through cold approach, discovery, objection handling, and close signing upto ~40+ customers per week by quickly diagnosing each person's **customer needs** and matching them to the right solution on the spot.
- Translated a technical offering into plain-language value for non-technical customers under time pressure. the same forward-deployed skill of reading a stakeholder, earning trust fast, and communicating clearly that carries into embedded engineering delivery.

King Ping eCommerce **July 2021 - August 2022**
Data Engineer *Remote — Thailand*
- Built and maintained **data pipelines** processing 10K+ records daily in **Python/SQL**, supporting **data-science** analytics and downstream ML workloads.
- Developed 20+ dashboards tracking sales, inventory, and customer behavior for 10+ stakeholders, replacing manual weekly reporting.
- Built RFM customer segmentation to drive retention, identifying 10 segments across 20K+ customers and lifting repeat-purchase rate by 47%.

PROJECTS & OUTSIDE EXPERIENCE

Evaluating Molecular Ensemble Dimensionality with Deep Neural Network VAEs **January 2023 - May 2026**
Research Assistant, Co-author (Illinois Institute of Technology) *Chicago, IL, USA*
- Co-authored research training and systematically evaluating deep-learning variational autoencoders (VAEs) in PyTorch to reduce dimensionality of molecular-dynamics ensembles across 5 systems.
- Built data-science evaluation pipelines quantifying reconstruction accuracy and cluster separability, benchmarking VAEs against PCA and the CompressTraj deterministic autoencoder.
- Ran quality-assurance and regularization experiments (dropout, batch normalization) to characterize system-specific training stability, and latent-space perturbation analyses showing latent variables encode nonlinear, position-dependent collective motions.
- Python/PyTorch across the full data pipeline from preprocessing, training, evaluation, and experiment tracking to end-to-end.

EDUCATION

Illinois Institute of Technology **May 2024**
Master's, Computer Science

Chulalongkorn University **July 2021**
Bachelor's, Communications