

DENNIS TIEN DONAGHY

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Greater Reno Area | Open to remote, hybrid, and on-site roles

AGENTIC AI SOLUTIONS ENGINEER

Multi-agent systems | Model evaluation | FinTech and Compliance | Python, Docker, Kubernetes

AI/ML engineer building production agentic AI systems, data pipelines, and reproducible evaluation environments; operates a hardened VPS multi-agent deployment. 15+ years in financial-risk data engineering and frontier-model evaluation.

PROFESSIONAL EXPERIENCE

Technical Reviewer, Production Agentic AI, Packt Publishing

Mar 2026 – Present

OpenClaw AI in Production by Ken Huang, June 2026

- Conducted full technical review of all book code and agent architectures using pre-publication OpenClaw releases.
- Tested chapter implementations against pinned OpenClaw commits for reproducibility and production readiness.
- Verified MCP integrations, Docker Compose stacks, and gateway security configurations across all chapters.

Expert Contributor, Snorkel.ai

Nov 2025 – Present

Frontier model benchmarking | PyTest, Docker, Kubernetes, Terminal-Bench, Harbor

- Build reproducible environments for benchmarking agentic models across ML, finance, and agentic domains.
- Use Claude Code, Cursor, Windsurf, and Google Antigravity to compare agent workflows and debug model execution.

Solutions Engineer, Generative AI and Cloud Data, AIML Solutions

Jun 2023 – Present

Cloud and hybrid AI systems | Multi-agent systems, ReAct/Reflexion agent loops, Cloud providers, MCP

- Architected a hardened VPS-hosted multi-agent system with model routing, scoped permissions, and execution boundaries.
- Defined agent governance through AGENTS.md, SOUL.md, IDENTITY.md, least-privilege skills, and task-specific constraints.
- Built containerized infrastructure with Docker, Terraform, deterministic rebuilds, and log tracing.

Systems Engineer, Finance and Blockchain, AIML Solutions

Mar 2012 – Jun 2023

Financial data systems | PostgreSQL, Linux, APIs, ETL, QuantConnect LEAN

- Integrated real-time market data into AI-assisted dashboards and QuantConnect LEAN backtesting workflows.

Data Engineer, OSINT Watchlist Aggregation, Safe Banking Systems

Jun 2008 – Mar 2012

Financial-risk and compliance data | entity resolution, watchlists, SQL, Python

- Maintained large-scale identity and financial-risk pipelines supporting investigative and compliance workflows.
- Built entity-resolution and watchlist-classification systems spanning OFAC, HM Treasury, EU, and UN lists.

SELECTED PROJECTS

triage-mesh — Security-First Multi-Agent Vulnerability Triage (open source)

Sep 2026

A2A orchestration, MCP tool servers (2026 stateless spec), Kubernetes, red-team CI | github.com/AIML-Solutions/triage-mesh

- Built a seven-service system: orchestrator delegates over A2A to three LLM agents, each reaching its own MCP tool server; live OSV.dev advisory intel; human approval gates every published report.
- Enforced security outside the model: deny-by-default policy engine, schema validation at every boundary, trust-labeled untrusted text, audience-scoped service JWTs; a 12-scenario red-team suite must fail closed in CI.
- Generated Kubernetes NetworkPolicies from the same policy file the harness enforces; proved enforcement on a kind+Calico cluster with an 11-check conformance suite and full pipeline runs (46 live findings).
- Instrumented one OpenTelemetry trace per assessment across all seven services; zero-token-spend mock provider keeps the entire suite free to run in CI.

AIML Solutions' MultiClaw — Custom VPS Sandboxed OpenClaw Deployment

Jan 2026 – Present

Multi-agent team runtime | OpenShell sandboxing, scoped tools, MCP, browser automation

- Engineered custom sandboxed multi-agent team deployments on a hardened VPS with OpenClaw Control and TUI access.
- Designed least-privilege agent roles, durable project memory, workspace attestations, and task-scoped constraints.

FinTech Data Aggregation and Backtesting Platform

Jun 2025 – Present

Market data pipelines | crypto, ETFs, derivatives, time-series data, QuantConnect LEAN

- Engineered Python/SQL ingestion and normalization pipelines wired into QuantConnect LEAN for reproducible backtests, signal research, and strategy evaluation.

TECHNICAL SKILLS

Agentic and GenAI: Multi-agent systems, MCP, A2A, OpenClaw (2026.1.x+), NemoClaw, Claude Code, LangChain, Anthropic/OpenAI APIs, Codex (5.5+), Terminal-Bench 2.0, Harbor, Langfuse, PyTorch 2.x, scikit-learn, ONNX

Languages and Tooling: Python 3.12, SQL, Bash, SSH, C++, TypeScript, Node.js 22, uv, ruff, Git, Neovim, VS Code

Cloud and Data: Ubuntu 24.04, Docker Compose v2, Kubernetes, Helm, Calico NetworkPolicies, Terraform, AWS S3, FastAPI, Redis, ETL, PostgreSQL, pgvector, pandas, NumPy, Pydantic, GitHub Actions, Prometheus, Grafana, OpenTelemetry, Tailscale

EDUCATION

The University of Texas at Austin, McCombs School of Business — *Postgraduate Certificate, AI and Machine Learning for Business Applications, GPA 4.22 (weighted)*

2025

New York University, College of Arts and Science — *BA, Economics*