

HILLARY DUNKLEY

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SUMMARY

Computer Science and Italian Studies graduate who builds agentic AI workflows with validation built in and explains the results clearly to non-technical audiences. Has built a LangGraph pipeline that automates a ticket-to-pull request workflow across 9 client repositories, benchmarked LLMs against human review, and built retrieval agents over documentation. Also built an LLM-powered Medicare coverage rules engine at Notable Systems. Now seeking an early-career AI engineering role building agentic workflows and automation for clients.

EXPERIENCE

Freelance AI Engineer

August 2026 - Present

- Built and piloted an AI-assisted handwriting transcription pipeline using Claude Cowork, benchmarking several LLMs and pairing model output with human review for quality.
- Scoped and priced a 150+ letter transcription engagement and delivered a written proposal that balanced the client's goals, budget, and what the technology could reliably deliver.

Contract AI Agent Developer, Plentiful Commerce

July - September 2026

- Built a LangGraph agentic pipeline, developed with Claude Code, that automates a ticket-to-pull request workflow across 9 client repositories and integrates with the client's SaaS environment.
- Designed a layered validation process (deterministic checks, preview validation, and human review) and used failure metrics to find and fix breakpoints, with PRs that passed review without manual fixes.

English Teaching Assistant, SITE, Bergamo, Italy

October 2025 - May 2026

- Designed and taught a 4-week seminar translating AI fundamentals, bias, and policy for 15 students, presenting technical concepts to a non-technical audience in a second language.

Business Rules Developer, Notable Systems

June - October 2025

- Translated Medicare coverage requirements into an LLM-powered determination rules engine on Go-based infrastructure, working with technical and non-technical stakeholders to resolve ambiguous requirements.
- Built a Python PDF intake system that cut manual processing steps by 80% and simplified handoff to non-technical downstream staff.

Peer Tech Advisor, Smith College

September 2024 - May 2025

- Troubleshoot assistive software with 25+ students and wrote runbooks and flowcharts for the accessibility office.

Software Engineering Intern, L.L. Bean

June - August 2024

- Replaced a deprecated QA system with a SQL server database and PowerApps interface, and wrote onboarding standards so non-engineering staff could own it after handoff.
- Co-led an equipment-rental proposal, designed the UI/UX in Figma and presented to 300+ people.

PROJECTS

Shopify Liquid Documentation QA Agent

June 2026

- Built a RAG QA agent over Shopify Liquid documentation using LlamaIndex, LangChain and OpenAI to answer implementation questions.
- Built a LangGraph generator and QA agent that writes Liquid code from retrieval and reviews it.

Class Management Agent

June 2026

- Deployed an AI agent integrating Google Sheets and conversational memory to automate workflow tasks.

EDUCATION

Smith College

BA Computer Science and Italian Studies, 2025

Break Through Tech, eCornell

Certificate in Machine Learning Foundations, 2025

SKILLS

AI: LangGraph, LlamaIndex, RAG, prompt engineering, n8n **Programming and Data:** Python, SQL, Javascript, Golang, Google Sheets, PowerApps **Frameworks and Tools:** API integration, Git, AWS, Postgres, React, Django, Streamlit, Vercel **Engineering:** QA validation, documentation, troubleshooting **Soft skills:** Client-facing communication, cross-functional collaboration **Languages:** Italian (B2), French (A2)