Zain Dana Harper

Kent, Washington | zaindharper@gmail.com | harperz9.github.io
linkedin.com/in/zaindanaharper | github.com/HarperZ9 | harperz9.github.io/published-work.html

Technical Support | Developer Operations | Quality Assurance

Summary

Self-directed software builder after eleven years of full-time arboriculture; turns reported failures into reproducible tests.

Technical Skills

Python, SQL, Git, GitHub Actions, pytest, Linux, Windows, HTTP/JSON APIs, WebSocket, TCP/IP, DNS, NAT; issue reproduction, regression testing, release packaging, technical documentation.

Self-Directed Projects

About 13 years self-directed | Career transition began June 2026

- Built Flywheel, a Python/Flutter AI workstation on PyPI, Homebrew, Scoop and a Windows installer, with permission-checked tools.
- Enumerated all 324 combinations of a defined evaluation record into seven verdicts, separating provider failures and missing evidence from model-quality scores.
- Built Articulate, a prose checker on PyPI; Accountable Surface approval interfaces; and Daylight Commons 3.2.2 (now CMMNS), a browser extension that shows the sources behind social media replies.
- Released and updated Elder ENB, a Skyrim lighting preset: 996,649 downloads on Nexus Mods, 2024 to 2026.

Freelance Technical Writer | Independent projects | Began 2017

- Wrote implementation guides, API documentation, and release notes for developers and customers.

Employment

Arboriculture and Field Operations | Legendary Tree

Seattle area | April 25, 2015 to June 2, 2026

- Turned site assessments into estimates, proposals, and workable job scopes; coordinated clients, crews, and vendors so teams understood access constraints, timing, and hazards.

Technical Networking Support | Stream/Convergys | 2014 to 2015

Xbox/Microsoft product contract | Wilsonville, Oregon

- Resolved Xbox connectivity problems across TCP/IP, DNS, NAT, firewalls, and routers; documented troubleshooting steps for consistent support handoffs.

Open-Source Contributions: 37 Merged in 30 Repositories

- Free Law Project #820: documented runnable database-free tests, giving contributors a focused check path without starting the full database-backed stack. Merged.
- Hebbian Robotics #157: added schema-drift coverage that flags mismatches between queryable episode columns and reserved names before incompatible changes go unnoticed. Merged.

Certifications and Education

- Google Cloud skill badges: BigQuery predictive analysis; BigQuery ML models | Google | October 2026
- Microsoft Applied Skills, four credentials, including Azure DevOps pipeline security (95% assessment) and Microsoft Entra identities and access | Microsoft | September 2026
- Qualys Certified Specialist, six exams: VMDR, Policy Audit, EDR, TotalCloud, Kubernetes, Custom Assessment | Qualys | September 2026

Training: Cisco Ethical Hacker, Claude Academy MCP, UNESCO Ethics of AI, 17 Linux Foundation security courses. All 42 credentials and verification links: harperz9.github.io/published-work.html

High School Diploma | Wilsonville High School, Oregon | 2013