

Brandyn Leonard

Co-Founder & Research Lead | System Architecture & Operations

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SUMMARY

Operations-focused co-founder with expertise in designing scalable systems that streamline complex workflows and enhance efficiency. Skilled at transforming conceptual ideas into actionable systems through clear communication, strategic thinking, and collaborative problem solving. Strong foundation in solution architecture, optimization, and cross-functional team leadership.

EXPERIENCE

Co-Founder & Head of Operations

Nov 2024 – Present

Qira LLC — Littleton, CO

- Co-founded technology company focused on intelligent systems for complex networks, overseeing operations, strategic planning, and business development
- Designed scalable operational frameworks supporting concurrent AI research, traffic intelligence, and cognitive science initiatives
- Managed infrastructure deployment across cloud platforms including Google Cloud TPU and DigitalOcean, ensuring 24/7 system availability
- Led stakeholder communications including partnership outreach to university research labs and municipal transportation agencies
- Coordinated cross-functional efforts between engineering, research, and business development to maintain alignment on deliverables
- Supported filing of U.S. Provisional Patent #64/002,166 (March 2026) covering proprietary network coordination methods

Operations & Administrative Coordinator

2020 – 2024

Various Roles — Colorado

- Developed operational workflows and process documentation to improve team efficiency and reduce overhead
- Coordinated logistics, scheduling, and resource allocation across multiple concurrent projects
- Built and maintained reporting systems to track KPIs and operational metrics
- Managed vendor relationships and procurement processes

CORE COMPETENCIES

[System Architecture] [Operations Management] [Strategic Planning] [Collaborative Problem Solving] [Conceptual Modeling] [Process Optimization] [Stakeholder Communication] [Cross-Functional Leadership] [Infrastructure Planning] [Business Development] [Project Coordination] [Documentation & Reporting]

TECHNICAL PROFICIENCIES

[Python] [Cloud Infrastructure (GCP, DO)] [Linux Administration] [Git & Version Control] [API Integration] [Data Analysis] [FastAPI] [SQLite / PostgreSQL]

EDUCATION

Self-Directed — Applied mathematics, machine learning systems, network theory, and solution architecture. Validated through published research, live production systems, and patent-protected original work.

NOTABLE

- Supported by Google TPU Research Cloud (TRC) program for large-scale ML training
- Engaged with NYU faculty on network coordination theory
- Co-architect of live traffic intelligence platform monitoring Phoenix freeways 24/7