

BAYLOR HARRISON

AI & Software Engineer | Founder, Manifold Engineering

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Builds AI applications, machine-learning services and cloud systems that connect business knowledge, automate workflows and make information useful. Combines hands-on engineering with project direction and delivery.

EXPERIENCE

Manifold Engineering

Aug 2024 - Present

Founder & Software Engineer

- **Till - Machine-learning scoring API:** Built loan scoring inside the existing application workflow, returning model scores and policy decisions while delivering \$24,000 in annual savings.
- **Till - HAL operating dashboard:** Built five connected workstations for scoring activity, approval thresholds, lead-source economics, funded-loan history and reject-band analysis, with live reporting and saved policy changes.
- **Create Spaces - Hedberg reporting & AI workspace:** Built a cloud agent to export business reports and a connected dashboard for booking trends, report history and export controls. AI answers open cited source pages; team rollout continues.
- **Axiom - Proposal research & fee estimation:** Directed delivery and subcontracted development of AI-assisted document extraction, historical proposal research and estimating tools. Collaborating developers implemented the dashboard.
- **Axiom - Executive briefing workspace:** Led a separate build bringing priorities, tasks, messages and meetings into a personalized briefing, with an assistant-driven sync view. The application was not launched.
- **SiteSift AI - Property research & broker communication:** Built a workspace connecting property lists, broker email, extracted information, follow-ups and advisor decisions. Beta work focuses on reliable automation and accurate property-level data.
- **AI Development Platform - The Record:** Built project management for developers, clients and connected AI agents: scoped milestones, progress, questions, screenshots and evidence, with shared client dashboards.
- **AI Development Platform - Brain:** Built persistent engineering knowledge across projects and coding sessions, with searchable documents, visual relationship maps, reusable workflows and explicit handoffs.
- **AI Development Platform - Jarvis OS:** Built orchestration for assigning and supervising coding agents, preserving work state and checking results. Integration with The Record and Brain remains in development.
- **AI Media Manager - Instagram research library:** Built an organization-based dashboard for accounts, imported posts, visual media and sync status. More complete media capture and research discovery remain in development.

Earlier client work includes a custom website for Butala Branding and WordPress improvements for Axiom.

TECHNICAL FOCUS

AI & data: Machine learning, AI integrations, retrieval and knowledge systems, workflow automation, data visualization

Application engineering: Python, TypeScript, JavaScript, React, Node.js, SQL, API design

Cloud & delivery: Firebase, Google Cloud, AWS, Git, testing, deployment, technical handoffs

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EXPERIENCE / CONTINUED

FiftyFlowers

Jul 2025 - Present

AI Solutions Engineer | Jan 2026 - Present

- **Customer service AI:** Built four apps for inquiries, reviews, claims and payment disputes, with shared chat, case history and a Chrome extension. The apps deliver \$24,000 in annual savings; the platform moved from AWS to Firebase and Google Cloud.
- **Company Second Brain:** Unified departmental knowledge: production support policies used by the apps, marketing guidance at MVP stage and an engineering beta used in my own coding. Added visual navigation and knowledge-aware chat.
- **Image Studio & Farm Exports:** Built AI product-image editing, reusable style presets and cutouts, plus a separate catalog-photo preparation workflow for the Farm Exports sales channel.
- **FAQ & Content Engine:** Built customer-question analysis, answer-coverage exploration and a review queue for FAQ and blog drafts, following AI discoverability research and a company roadmap.
- **Proposal Manager:** Implemented supplied wireframes as an event-planning application with flower recipes, presentations and shopping lists. Launch was paused when DIY migration took priority.
- **DIY Kits Migration:** Built tools to reconcile farm spreadsheets with store products and move kit recipes and purchase links into a test store, with source tracking and validation for the production handoff.
- **AI roadmap & project visibility:** Built a FiftyFlowers dashboard in The Record, linked from Internal AI, so stakeholders can see each initiative, milestone, completed feature and supporting evidence.

AI & Process Innovation Associate | Jul 2025 - Jan 2026

- **Shopping assistant:** Built the early flower-selection chatbot, storefront interface and cloud services, connecting conversational requests to catalog filters, product results and saved conversations.
- **Share Your Flair:** Built wedding-submission processing that connects customer stories and media to Asana review and Shopify Make This Look workflows; repaired historical media delivery.
- **Rush Orders:** Implemented the storefront request form and notification workflow that routes urgent-delivery requests to customer service and operations.
- **DIY-kit assistant:** Built a conversational interface for questions about kit reference data, distinct from the later recipe-data migration.

WebMarkets

May 2024 - Aug 2024

Web Developer | Internship

- **Client Portal:** Independently built the company's first client portal in two weeks; adopted by all 17 employees for client communication and project workflows.
- **ALPHA SEO:** Co-developed frontend and backend features for the domain-focused SEO platform with the engineering team.
- **Client websites & content:** Created and maintained client blogs and website pages through DNN and Sanity CMS.

EDUCATION

Arizona State University

2021 - 2025

Bachelor of Science in Computer Science | Graduated May 2025

Dean's List | Merit scholarship recipient