Hayden LeBaron :: Software Engineer

[*Interactive version @ haydenlebaron.com*]
me@haydenlebaron.com | GitHub: HaydenLeBaron | linkedin.com/in/hayden-lebaron-740074163 | Utah, USA | Will relocate worldwide for the right role

Passionate about building systems that make sense. Experienced in full-stack functional programming. Interested in the intersection of agentic workflows, formal verification, type theory, DSLs, ontology, logic, and the principle of λόγος in Hellenistic thought.

Experience

Freelance SWE

Various Clients
Jun 2025 - Present
International · Remote

Skills: Artificial Intelligence (AI), Greenfield Development, Prompt Engineering, Large Language Models (LLM), TypeScript, MongoDB

Findd.AI (Jul 2025 - Present)

Hourly Workforce Management

Rapidly delivered BI POCs and MVPs implemented with agentic workflows - mitigating hallucinations and error propagation via context engineering, loosely coupled architectures, type-driven development, static code analysis, etc.

DataAnnotation (Jun 2025 - Jul 2025)

Attempted to train ChatGPT to take my job and trigger the Butlerian Jihad.

Pilgrim

Jan 2022 - Mar 2025
UK · Greece · Turkey · Iceland · Japan · Korea · Belgium

Skills: Japanese (N5), Turkish (A1), Stealth Camping

Visited my favorite monastaries and historical sites in Europe and Asia after Qwick's post-acquisition engineering team liquidation. Crammed language study 6 months prior to prep.

★ Functional Software Engineer

Qwick
F&B Gigs On-Demand
Jan 2022 - Mar 2025
Phoenix AZ, USA · Hybrid

Skills: Functional Programming, REST APIs, OCaml, ReasonML, Melange, PostgreSQL, GraphQL, PostGraphile, SQL, TypeScript, Zod, Zapatos, React, React Native, Android, iOS, Web

Software Engineer II (Jan 2023 - Mar 2025)
- Rapidly delivered a W-2 onboarding micro-service and UX overhaul on a team of 2 in 6 months against a strict deadline, in response to a CA worker misclassification lawsuit.
  - The timely success of this project prevented Qwick from being forced to vacate its largest markets (SFO, LA, NYC, CHI, etc.)
  - Architected a workflow-DAGs-as-data approach to enable dynamic, compliant, per-user onboarding to the platform.
  - Led the identification of previously misclassified users and automated payouts per the settlement.

Software Engineer I (Jan 2022 - Dec 2022)
- Rewrote legacy p2p referral payout system, identifying and fixing bugs that saved an estimated >$100k/year in unnecessary/fraudulent payouts.
- Forgot how to write a for-loop for >18 months.

App Developer

Δy: Senior Capstone
Mar 2020 - Nov 2021

Skills: Greenfield Development, Dart, Flutter, Firebase

- Formed and led a team of 4 student devs in creating a scrum-inspired task management app to replace my problematic use (abuse?) of Jira as a personal to-do list.
- Started an extra 6 months early to POC and do product/user research/experiments.

Education

University of Utah

#54 in Computer Science (USA)
#22 in Programming Languages (USA)

B.S. Computer Science (2018-2021) • GPA: 3.6

Programming Languages, Functional Programming, Data Analysis, Calculus III, Logic, Discrete Maths, Racket (Lisp), Python, C, C++, C#, .NET Framework, Java, SQL, Shell, Linux

Projects Sample

★ Provably Packed 2025

Lean 4 eDSL for declaring correct-by-construction packing lists for arbitraily defined expeditions

Lean 4, Theorem Proving, Dependant Type Theory, eDSL, Formal Verification, Functional Programming

Funxychat 2024

CLI Chat Server

OCaml, Chat Server Application

Sweaty Tictactoe 2022

Tic-tac-toe for tryhards

Haskell, eSports, HTTP Server

★ Arezzo 2021

Musical Programming Language

Racket, eDSL, Music Composition

N-gram Language Models 2021

Simple next token prediction

Python, Language Model, Natural Language Processing, NLP, Statistical Models

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Software Engineer In Test: Porch Software | Nov 2019 - Feb 2020 | Sandy UT, USA · Onsite | **Skills:** Software Testing, JavaScript, Cypress ‖
Philosophy TA: University of Utah | Jun 2019 - Aug 2019 | World Religions ‖ **Piano Instructor:** Self-Employed | Jun 2013 - Dec 2017