

Adam Wespiser

I specialize in backend development and cloud infrastructure, contribute to the open source community, and run a technical reading group for database systems. My career has spanned high-impact projects in diverse environments, from startups to established tech companies.

Starburst, Boston, MA — Senior Software Engineer

October 2022– Aug 2023

- Tech Lead on a cloud infrastructure team, managing vendor relationships (aws/gcp/azure), cost reporting (Vantage), and Cloudflare integration.
- Planned, executed and coded changes for zero downtime migration for a new domain using Cloudflare Tunnels.
- TLS Certificate Re-use Project: where I researched and wrote a step by step migration to save us from needing new TLS certs per deployment.
 - Proposal Approved by CTOs, then formulated a work plan which was delegated amongst my teammates, where I oversaw progress and risk management.
 - Given at least 2 internal talks about the process of breaking up proposals.

SimSpace, Boston, MA — Senior Software Engineer

December 2019– September 2022

- Tech Lead on new observability tools for cyber ranges, TypeScript, NodeJS, and Kubernetes and systems design for data pipeline.
- Built backend services for learning management systems using Haskell and PostgreSQL. Extended a >500k LOC Haskell project, added capabilities for end users, correctness tests, and load tests.
- Designed and implemented a type safe continuation token paging feature within our internal Haskell pagination library.
- Member of the architectural working group. Produced reports on logging libraries, and several other topics for group discussion and decision making.

CollegeVine, Cambridge, MA — Software-Engineer

August 2017 - September 2019

- Led development of ML predictive algorithms used in production to estimate a college applicant's chances of admission. Improved prediction results over heuristics.
- Several Ad Hoc Funnel metrics: including the creation of a bespoke lead score model for hubspot using Bayesian feature selection and linear regression.
- Build a "decision support" app so students could make optimal choices on which classes prepare them best for their college aspirations.

Open Source Maintainer (2016–Present)

Maintainer of two open source projects in the Haskell ecosystem, [Repline](#) and [Protolude](#).

Write Yourself a Scheme in 48 Hours, Version 2.0 — [Github](#)

Red Book Reading Group – Founder of [Discord Group](#) for weekly reading of [redbook.io](#)

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SKILLS

Java, Haskell, TypeScript, PostgreSQL, Agile, Python, Perl, R, Linux, Bash, STAN, Kubernetes, Pulumi, TLS, GitOps, DataDog.

EDUCATION

Georgia Institute of Technology, Atlanta, GA — Master of Science in Computer Science

August 2018 - December 2021

GPA: 3.9

University of Vermont, Burlington, VT — Biological Sciences, B.S.

Aug 2005 - May 2010

University of Massachusetts Medical School, Worcester, MA — PhD drop out, Bioinformatian

August 2010 - December 2014

Basic research directly leading to [publications](#).

Interest in long non-coding RNA, next-gen sequence analysis, and machine learning.

AWARDS

Knuth Check #1660

Eagle Scout Award, 2005

