

# 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 — Associate Data Scientist 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