

Adam Wespiser

Autodidactic, enthusiastically engaged, and habitual learner that's succeeded in multiple research careers before landing on Software Engineering.

I'm a software craftsman, with an academic skill set: able to push boundaries when required, but with ruthless focus on a project's priorities and delivering solutions to business priorities.

Starburst, Boston, MA — Senior Software Engineer, Infrastructure

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 new domain using Cloudflare Tunnel after going through approval process.
- 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 broken into plan amongst my teammates, who finished the work.
 - Given at least 2 internal talks about the process breaking up proposals, so that aspect was exemplary.

SimSpace, Boston, MA — Senior Software Engineer, Mostly BE

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,

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 client/student could optimize class structure.

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](#)

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SKILLS

Java, Haskell, NodeJS, TypeScript, PostgreSQL, Agile, Python, Perl, R, Linux, Bash, STAN, git, GitHub, CI/CD, Docker, Kubernetes, 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, Bioinformatician

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