Ian Reynolds

RELEVANT EXPERIENCE

Knowledge Futures Group, Remote — *Senior SWE*

FEB 2019 - FEB 2023

- First full-time engineer on PubPub, an integrated academic publishing platform. Led the transformation of the codebase from a student project to a stable, tested, web application generating sustaining revenue for the organization. Helped grow the team to five engineers.

- Did deep and cross-functional work on in-browser collaborative text editing and content management systems. Designed and implemented many large features — import/export pipelines, notifications, submission systems, metadata engines, track changes, etc. — with a focus on stability, accessibility, and performance.

- Managed inbound support tickets, talked to users almost daily. Collaborated with PM and org-level leadership on product direction and mentorship of junior engineers.

TransitMatters Labs, Boston/Remote — *Lead*

FEB 2020 - NOV 2023

- Helped grow an all-volunteer 20+ developer team to ship products such as the [Data Dashboard](#) and the [Regional Rail Explorer](#) to further TransitMatters' mission of improving transit in Boston.

- Designed and built several web applications, onboarded and managed other volunteers, ran feedback and outreach sessions. Regularly spoke with public officials, advocates, and the press to comment on and interpret our data.

Khan Academy, Mountain View, CA — *SWE II*

SUMMER 2016, SEPT 2017 - FEB 2019

- Worked as one of two developers on a team that ran experiments for millions of users. Our improvements increased teachers' activation and depth of usage by 9%.

- Took a design and stewardship role for parts of KA's authentication, onboarding, performance monitoring, and build systems.

EDUCATION

Massachusetts Institute of Technology — *B.S. EE/CS*

SEPT 2013 - MAY 2017

Relevant coursework included discrete math, algorithms and data structures, AI, signals and systems, circuits and electronics, FPGAs, computer system engineering, electromagnetics, and compiler design.

THE BASICS

Web: ianreynolds.net

Email: idreyn@gmail.com

Github: [@idreyn](https://github.com/idreyn)

Tel: +1 (612) 281 9943

TOOLS AND LANGUAGES

My core proficiencies are in TypeScript, React, Node, Postgres, and a cocktail of other web technologies.

For scientific/data work I favor Python, numpy, pandas, and matplotlib.

I used to work with PHP, Java, and Ruby. Now I'm learning Rust.

WHY THE LONG BREAK?

I took most of 2023 off to write a science fiction novel, do EE work for an assistive technology lab in San Francisco, and finish up other side projects that were accumulating.

ANYTHING ELSE?

I like powerlifting, birdwatching, and a good bowl of ramen.