

Daniel Moerner

2233 Lytham Rd, Columbus, OH

(650)-823-4241; dmoerner@gmail.com; [GitHub](#)

EXPERIENCE

Recurse Center, Participant — November 2024-February 2025

Participant in a 12-week hybrid batch at the Recurse Center, a programming retreat in Brooklyn, NY.

- Wrote and deployed “etracker”, a full-stack BitTorrent tracker. Gave a public technical talk on this project.
- Co-wrote “pytorrent”, a Python BitTorrent downloader, with Lamone Armstrong.
- Deployed a number of smaller projects, including music generator “badbach” and the game “svelteclick”.
- Further explorations detailed on my blog <https://moerner.com/>, including benchmarking of binary search algorithms, benchmarking of Go reflection, and experiences with Go, PostgreSQL, React, and Svelte.

Fedora Linux, Packager — March 2021-Present

Debian GNU/Linux, Debian Maintainer — August 2008-January 2010

Volunteer packager for the Debian/GNU Linux project and Fedora Linux project.

- Maintained or co-maintained a variety of .deb and RPM packages, including interpreters, GUI applications, and command-line tools. Actively working on new contributions, with a focus on Python and Go packages.

University of Chicago, Assistant Professor — July 2019-June 2024

Assistant Professor of Philosophy, Specialization in the history of Western philosophy and in ethics, especially AI ethics.

- Pioneered a seminar on AI ethics at the University of Chicago Graham School, an extension program for adults.
- Coded in Python and Bash to assist my work, including a blind grading anonymizer and a social media scraper.

PROJECTS

etracker – <https://github.com/dmoerner/etracker>, public demo: <https://etracker.moerner.com>

etracker (“Equilibrium Tracker”) is a BitTorrent tracker which uses a reputation-based algorithm to distribute peers as a function of peer seeding, in order to incentivize healthy BitTorrent swarms.

- Backend in Go and PostgreSQL, frontend in React, deployment with Docker.
- Functionality includes full support for the core BitTorrent protocol, as well as infohash allowlists and a REST API.

pytorrent – <https://github.com/dmoerner/pytorrent>, co-written with Lamone Armstrong.

pytorrent is a BitTorrent downloader which uses async processes and priority queues to maximize download bandwidth.

- Backend in Python and FastAPI, frontend in Svelte.

badbach – <https://github.com/dmoerner/badbach>, public demo: <https://moerner.com/awful-twinkle.html>

badbach (“Bad Bach”) is a non-deterministic music generator of dissonant counterpoint, written in Python.

svelteclick – <https://github.com/dmoerner/svelteclick>, public demo: <https://moerner.com/svelteclick>

svelteclick is an idle clicker written to explore the capabilities of Svelte 5.

SKILLS

Programming Languages: Go, Python, JavaScript, TypeScript

Frameworks and Tools: React, Svelte, PostgreSQL, Docker, RPM & .deb packaging

EDUCATION

Yale University – New Haven, CT: *PhD, Philosophy, May 2019*

University of Cambridge – Cambridge, UK: *MPhil, Classics, May 2014*

Pomona College – Claremont, CA: *BA, Philosophy & Classics, May 2013*