Erik Wiens *Software Engineer*

📍 New York, NY ✉ erik.wiens@gmail.com 🔗 erikwiens.com 🔗 erik-wiens ⭘ ErikWiens

PROFESSIONAL EXPERIENCE

Software Engineer & Creator, *MIMIC — mimic-replay.com* 🔗   2024

MIMIC is an open-source session replay framework for recording and replaying user sessions, to aid in the debugging of frontend applications.

- Built a telemetry pipeline that increased the system's ability to handle concurrent user sessions by a factor of 10 using Redis, S3, and PostgreSQL .
- Created a UI that allows organizations to browse, search, and filter 1000s of user sessions while remaining performant using React .
- Wrote a Redis pub/sub mechanism to automate the transfer of in-active session data from in-memory to disk-based, to reduce storage costs.
- Engineered an instrumentation tool for collecting user session data, including DOM changes, network requests, console logs, and errors while minimizing the effect to the end-user.
- Contributed to CLI installer which automates the instrumentation of web apps saving organization's time.
- Authored an in-depth technical case study, read more at mimic-replay.com

Software Engineer, *Open-Source Projects*   2022 – 2024

- Endpoint Bin — A database-backed webhook request inspection and debugging application (React, Express, MongoDB, PostgreSQL, deployed to Digital Ocean Droplet)
- Birdie — A short-form blogging platform inspired by Twitter (Ruby, Sinatra, PostgreSQL)

Educator, *The SPOT*   2022 – 2024

Planned and delivered weekly coding workshops on topics such as object oriented programming, programming language fundamentals, networking, and relational databases.

Teacher, *Public Schools*   2015 – 2022

Identified areas for student improvement. Researched and developed my understanding of complex new topics in order to break down concepts to help students and colleagues improve and learn. Fostered a positive and collaborative environment to bolster learning and performance.

SKILLS

Languages
JavaScript, TypeScript, Golang, Python, Ruby, Swift, SQL, HTML/CSS

Libraries & Frameworks
Node.js, Express, React, Sinatra, jQuery, SwiftUI, Jest, Cypress, Minitest

Cloud/Deployment
AWS EC2, DigitalOcean, Heroku, MongoDB, Nginx

Other
Git/GitHub, Bash, RESTful APIs, PostgreSQL, Docker

EDUCATION

Launch School, *Software Engineering & Full-Stack Web Development* 🔗
A multi-year, mastery-based curriculum focused on engineering fundamentals.

University of British Columbia, *Bachelor of Commerce*