Emily Bonar

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Experience

Software Engineer Specialist, Front End – HPE, Remote   August 2021 – Present

- Collaborated with product managers, UX designers, and customers to design and implement the user interface for the machine learning platform
- Lead a team in expanding and creating a web UI for the Model Registry, a hub for storing, searching, and sharing machine learning models
- Wrote an Engineering Requirements Document to define project goals and requirements and lay out a timeline for achieving them

Software Engineer II, Front End – Determined AI, Remote   May – July 2021 (acquired)

- Built user interface features including form modals and data visualizations in React

Software Developer – Army Research Lab, Austin, TX   June 2018 – April 2021

- Developed instrument control and analysis with LabVIEW and consolidated machine control and monitoring to increase throughput of experiments

Participant – Recurse Center, Remote   January – March 2021

- Intensive self-directed learning experience working on a wide range of programming projects
- Ran meetings and directed groups of up to 20 people in discussions
- Developed numerous front-end and full stack web applications using React and TypeScript

Projects

MusicalsFYI - musicals.emilybonar.com   February 2021

- Accesses Spotify REST API using a serverless function to display album and song data
- Allows for sorting and searching using an intuitive and responsive card-based interface
- Built as a single-page app with React, TypeScript, and TailwindCSS

Twitter Clone – flibberty-gibbets.emilybonar.com   January 2021

- An asynchronous, database-driven messaging system with live updating
- Built using Next.js and TailwindCSS and a Heroku Postgres database for the backend

Skills

Programming Languages: JavaScript, TypeScript, HTML, CSS, Python
Technologies and Frameworks: React, Next.js, TailwindCSS, Node.js, Git, REST

Education

Rice University, Houston, TX   Graduated May 2018

BS in Materials Science and Nanoengineering

Co-authored "In situ observations of cracking in constrained sintering" in the Journal of the American Ceramic Society, which earned a "Best Paper of 2018" award from the journal