

Emily Bonar

770-696-0159 | emilykbonar@gmail.com | Philadelphia, PA
emilybonar.com | github.com/EmilyBonar | linkedin.com/in/emilybonar

Experience

Senior Frontend Developer – HPE, Remote *November 2022 – Present*

Specialist Frontend Developer – HPE (acquired Determined AI), Remote *May 2021 – October 2022*

- Developed features for web interface of AI model development and training platform
- Worked closely with product and design teams to write engineering requirements documents and take ownership of projects from initial conception to final implementation
- Created a modal allowing user to select a promising model and fine-tune its hyperparameters without writing code or leaving the webpage
- Initiated and led development on Hew, our internal UI library, to improve consistency and user experience while also accelerating development
- Acted as release captain to ensure new versions were released in a timely and bug-free manner

Participant – Recurse Center, Remote *January 2021 – March 2021*

- Self-directed intensive learning experience working on a wide range of programming projects
- Ran meetings and directed groups in discussions

3D Printing LabVIEW Developer – Army Research Lab, Austin, TX *June 2018 – April 2021*

- Developed process tooling and analysis with LabVIEW and MATLAB to increase model development and production speed through consolidating machine control and monitoring
- Converted 3D models from G-code into a custom file format using Python for them to be printed

MATLAB Developer – Thomas Research Group, Houston, TX *February 2016 – January 2017*

- Developed instrument control code in MATLAB to allow for data collection and improve precision

Projects

MusicalsFYI, musicals.emilybonar.com *February 2021*

- Displays and organizes data of musical theater shows, allowing for sorting and searching through entries using an intuitive and responsive card-based interface
- Built using React, TypeScript, and TailwindCSS with data fetched from Spotify's REST API

Twitter Clone *January 2021*

- A text-based messaging system with live updating built using Next.js, TailwindCSS, and a Postgres database

LookOutside *November 2020*

- Uses Google Maps, OpenWeather, and Disease.sh REST APIs to create a summary of weather and COVID conditions in a given area of the United States
- Built using React and TailwindCSS for the front-end and utilizing serverless functions for API calls

Skills

Languages: TypeScript, JavaScript, HTML/CSS, Python

Software: React, Next.js, TailwindCSS, Node.js, GitHub, REST

Education

Rice University, Houston, TX *Graduated May 2018*

BS in Materials Science and Nanoengineering