Adam Thometz

Software Engineer | New York, NY | [Portfolio](#) | [LinkedIn](#) | [Github](#) | adamthometz@gmail.com

Skills

Javascript | React | Redux | Vue | Python | Flask | Django | Node | Express | PostgresQL | AWS | Jest

Work Experience

TARA Education Technologies - *Software Engineer (Contract) - Remote*   May 2023 - Aug 2023

- Collaborated with the CEO to develop an AI Assistant for the platform using **Vue**, **Django**, and **OpenAI API**
- Created and validated prototypes for initial features, resulting in an increase of 200 individual signups
- Coordinated with overseas development team to successfully implement features in production

[Live](#) | [Github](#) (early prototype only, written in **Flask**)

8BillionMinds - *Frontend Engineer, Volunteer*   Jan 2023 - Present

- Ensured functional frontend written in **Java Server Pages** and **MySQL 5.7** by fixing frontend bugs, such as rendering issues on the hero of the landing page on mobile
- Contributed to code by using source control tools such as **Git** and **Gitlab**
- Streamlined documentation and process flow resulting in a 86% reduction in setup time, enabling faster project kick-off and boosted efficiency

Vesta Healing Psychotherapy - *Frontend Engineer (Contract) - Remote*   Sept 2022 - Apr 2023

- Implemented a responsive landing page using **React**, resulting in a 50% increase in conversion rate
- Developed engaging animations with **CSS keyframes** and the **IntersectionObserver Web API**
- Enhanced site accessibility through the use of **semantic HTML**, image alt text, and **ARIA attributes**
- Optimized web performance utilizing **Lighthouse** insights
- Collaborated closely with UX designer and website owner to make informed design decisions
- Successfully hosted the site on **AWS Amplify**

[Live](#) | [Github](#)

Bronx School for Continuous Learners - *Software Engineer - New York, NY*   Sept 2021 - Jun 2022

- Developed Art Buddy, a multisensory instruction integration tool, resulting in a 60% increase in student engagement
- Designed scalable and maintainable frontend architecture using React and Redux
- Implemented music functionality with Tone.js and Javascript closures
- Created over 400 tests, including unit, integration, and UI testing using React Testing Library and Jest, ensuring quicker and safer development
- Incorporated user feedback from music lessons to enhance game features

[Live](#) | [Github](#)

Bronx School for Continuous Learners - *Music Teacher - New York, NY*   Sept 2019 - Jun 2022

- Managed musical instruction for groups of autistic students, grades K-5
- Enhanced literacy and math scores by 60% using a multisensory approach to music instruction
- Designed software tools in **React** and **Redux** for use in classroom, boosting student engagement by 40%
- Mentored two new teachers

Linden Tree Elementary – *Special Education Teacher - New York, NY*   Sept 2018 - Jun 2019

- Overhauled lessons for special-needs students, which increased their literacy scores by 60%
- Organized a 2-day music conservatory for 20+ students in grades 3-5, including the construction of an electric guitar
- Presented on ableism at a conference for 50+ teachers, principals, directors, etc.

Other Projects

8-Bit Clan - *Full-Stack Developer, Hackathon*   Nov 2021

- A pixel art maker for the *Mintbean Hiring Hackathon*. Placed in the top 5% of participants
- Built using **React**, along with its Context API, and **JSS (Javascript Style Sheets)** for styling
- Built user authentication with **Node**/**Express** and art is saved in array form in a database (**PostgresQL**)
  [Live](#) | [**Github**](#)

Education

Springboard - *Software Engineering Certification*

Hunter College - *MSEd, Special Education*