

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 - Present

- Developed the platform's AI Assistant through close collaboration with the CEO, using **Vue**, **Django**, and the **OpenAI API**
- Independently created prototypes for the initial AI Assistant features, validating their functionality and usefulness through user research validation, which led to 200 new individual signups
- Liaised with the company's overseas development team in the implementation of the features in production [Live](#) | [Github](#) (early prototype only, written in **Flask**)

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

- Spearheaded implementation of fully responsive website using **React** and **CSS**
 - Created animations using both **CSS keyframes** and a combination of the built-in `animate` function and the **IntersectionObserver Web API** to create an engaging experience
 - Utilized **semantic HTML**, image alt text, and **ARIA attributes** to improve accessibility of site
 - Improved web performance using insights gathered from **Lighthouse**
 - Corresponded with UX designer and website owner to make decisions regarding website appearance, such as color scheme and ordering of content.
 - Hosted site on **AWS Amplify**
- [Live](#) | [Github](#)

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

- Led end-to-end development of apps, Art Buddy, to integrate multisensory instruction into lessons
 - Developed frontend architecture using **React** and **Redux** focusing on scalability and maintainability
 - Implemented music functionality using the **Tone.js** library and **Javascript** closures
 - Created 400+ unit, integration, and UI tests using **React Testing Library** and **Jest** for quicker and safer development; testing includes **mocks** for local storage, Web Audio API, and time.
 - Integrated user feedback from music lessons to iterate on games.
- [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
- Enhanced literacy scores of special-needs students by 60%
- Organized a 2-day music conservatory for 20+ students in grades 3-5
- Presented on ableism at a conference for 50+ teachers, principals, directors, etc.

Other Projects

8BillionMinds - *Frontend Developer, 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

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*