

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

- Developed the core MVP of the app's AI Assistant with the founders using **Vue, Javascript, Django, Python, AWS (Lambda and EC2), Node, and OpenAI API**
- Created and validated prototypes for initial features, resulting in an increase of 200 individual signups and \$75,000 in sales to school districts
- Orchestrated seamless execution by liaising with an offshore development team, effectively translating conceptualization into live production

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

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

- Implemented a responsive landing page using **React**, resulting in a 50% increase in consultations
- Developed engaging animations with **CSS keyframes** and the **browser Web APIs**
- Enhanced site accessibility through the use of **semantic HTML**, image alt text, and **ARIA attributes**
- Collaborated 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

- Led the end-to-end development of Art Buddy, a multisensory instruction tool that resulted in a 60% increase in student engagement
- Implemented scalable and maintainable frontend architecture using **React** and **Redux**
- Designed interface from **Figma** mockups
- 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 and improve UI

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

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

- Planned and directed daily musical instruction for groups of autistic students, grades K-5
- Modernized music curriculum to include technology and new genres while boosting focus on student goals
- Enhanced literacy and math scores by 75% using a multisensory, multimedia approach to music instruction
- Organized school-wide events and coached 100+ students on performances at those events
- Ensured successful transition to remote instruction for 100+ students during the COVID pandemic using online learning tools

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, which included the construction of an electric guitar

Other Projects

8Billionminds - Frontend Engineer (Volunteer) - Remote

Jan 2023 - Present

- Ensured functional frontend written in **Javascript**, **Java Server Pages**, and **MySQL 5.7**
- 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

Natural Language to SQL Converter

Mar 2023

- A tool that generates SQL queries from natural language
- Built using **Python**, **Pandas**, **OpenAPI**, and **SQLAlchemy**
[Live](#) (goes to code walkthrough on Youtube) | [Github](#)

8-Bit Clan

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](#)

Presentations & Workshops

Recursion Made Easy - Code & Coffee, NYC Branch

Sept 2023

Embracing Continuous Learning (panelist) - TechTank

Sept 2023

Intro to Software Testing - Devs 4 Devs

Nov 2022

Intro to Animations using CSS - Devs 4 Devs

Oct 2022

Beyond the IEP: Decolonizing Disability - Decolonizing Education

Jun 2019

Education

Springboard - Software Engineering Certification

Hunter College - MEd, Special Education

City College of New York - BA, Philosophy / Music