

Elizabeth Taylor

FULL STACK SOFTWARE ENGINEER · MACHINE LEARNING ENGINEER

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EDUCATION

Berklee College of Music (BCM)

Cumulative GPA: **3.99** / 4.00

BACHELOR'S DEGREE IN VIOLIN PERFORMANCE

Sep. 2021 - Dec. 2025

- Attending on a full-scholarship. Part-time status in Spring/Fall to prioritize full-time Software Engineer opportunities.

Programming Coursework

- Udemy: The Web Developer Bootcamp 2023. JavaScript, React, Node, MongoDB, HTML, and CSS. (Completed Oct. 2023)
- Udemy: Django with React | An Ecommerce Website. React, Redux, Django & Postgres. (Completed Oct. 2023)

EXPERIENCE

Xblock AI

Boston, MA

SOFTWARE ENGINEER INTERN

Dec. 2023 - May 2023

- Developed and deployed an AI Assistant system for restaurant and hotel industries, supplying frontline workers with immediate solutions and converting scattered business data into practical insights.
- Utilized Django Rest Framework to construct RESTful API endpoints, integrating with PostgreSQL for data storage.
- Containerized the prototype product using Docker and hosted it on AWS EC2 instances with AWS ECR.
- Implemented secure user authentication and registration using JWT (JSON Web Tokens) for enhanced data security.
- Managed the front-end interface using Zustand state management, Axios for API requests, and React-Query to optimize data fetching and management.

Jreamscape LLC

Boston, MA

SOFTWARE ENGINEER INTERN

Aug. 2023 - Dec. 2023

- Full-stack builder of React web application that auto-summarizes real-time audio of business meetings.
- Incorporated ChatGPT API with prompt engineering for contextualized responses.
- Implemented Azure Speech Recognition for real-time transcription with efficient data storage and retrieval using DynamoDB.

PERSONAL PROJECT

Cloudless Convert

- Designed and built a media file processing site using Next.js, React, and Firebase, fully integrating FFmpeg Web Assembly. Offers services like video-to-GIF, format conversion, video transcription, watermarking, etc. and supports batch processing.
- Deployed OpenAI Whisper model Python bindings on an AWS EC2 Ubuntu instance using FastAPI, Nginx, and OpenSSL.
- Implemented user authentication and integrated Firebase for data storage.
- Enhanced SEO ranking using Next.js and integrated Sentry for error and performance monitoring.

Cover Letter Bro

- Built an AI cover letter generator website using Next.js, React, and TypeScript.
- Designed a modern UI using Shadcn and Tailwind CSS. Incorporated message streaming and infinite scroll functionality.
- Prompt engineering with Langchain. Boosted SEO ranking with Next.js. Deployed user auth and Firebase data storage.

Personal Blog

- Developed a personal blog using Next.js, Tailwind CSS, and TypeScript for a modern and responsive design.
- Hosted the blog on Netlify for seamless deployment and accessibility.

SKILLS

Program Language TypeScript/JavaScript, Java, Python, Dart, C++

Framework React, Next.js, Node.js, Django, FastAPI, Flutter, Spring Boot, React Native

Tools AWS, Azure, Docker, Tailwind CSS, Git, MySQL, Redis

Organizations Women in Code, Girls Who Code