

Education

TUFTS UNIVERSITY - MEDFORD, MA

2022 - PRESENT

- Bachelor of Science, Major in Computer Science, Minor in Cognitive and Brain Science
- GPA: 4.0, Dean's List (Fall 2022, Spring 2023)

Experience

THE LEGACY PROJECT @ TUFTS JUMBOCODE - FULL STACK DEVELOPER

FALL 2023 - PRESENT

- Implemented robust backend API routes, a pivotal step in expanding The Legacy Project across multiple chapters at different universities
- Migrated existing codebase to NextJS 13, leveraging the modern app router for enhanced performance and user experience
- Restructured the role hierarchy to support seamless expansion, laying the groundwork for the project's organic growth and adaptability

FIRSTROOT INC - COMPLIANCE CONSULTANT

SUMMER 2021

- Led efforts to explore COPPA Compliance for FirstRoot's Participatory Budgeting platform, creating clear and concise scoping for workflows designed to create an effective user experience
- Designed necessary extensions to the FirstRoot data architecture for COPPA compliance, incorporating feedback from the development team following multiple rounds of presentation
- Learned core Agile principles and participated in SAFe® development practices, including Sprint planning, Daily Stand Up (DSUs), Sprint reviews, pair programming, and automated testing in a CI/CD pipeline

COMPR[CH]ESS - INDEPENDENT PROJECT

- Engineered an innovative compression algorithm that seamlessly blends chess engines (Stockfish), machine learning, and Huffman Coding to dynamically encode chess games at an average 85% compression rate
- Implemented TensorFlow (Keras) to construct predictive models for player moves based on rating, leveraging the generated probabilities to efficiently compress PGNs of players at specific rating ranges

PERSONAL PORTFOLIO - INDEPENDENT PROJECT

- Crafted a high-performance, responsive portfolio using Next.js 13, combining React.js and TypeScript for a seamless and scalable frontend experience.
- Leveraged Pocketbase for backend, Framer Motion for animations, and Tailwind CSS for styling, ensuring a dynamic and visually appealing showcase of skills and projects utilizing modern full-stack technologies.

RELEVANT SKILLS

- Google Cloud Platform: [Cloud Digital Leader](#)
- Programming Languages: Python, Java, C++, Javascript, Typescript
- Full-Stack Development: React.js, Tailwind, Next.js, Prisma, Zod, Flask, MongoDB