

Education:

Bachelor of Science, Major in Computer Science and Mathematics; Beloit College' 2025; Recipient of Dean's list - Fall 2021 & Spring 2023; 3.4 GPA

Experience:

Software Engineering Intern | Headstarter AI

07/2024 - Present

- Built 5+ AI apps and APIs using NextJS, OpenAI, Pinecone, and StripeAPI with 98% accuracy as seen by 1000 users.
- Developed projects from design to deployment leading 4+ engineering fellows using MVC design patterns.
- Designed the UI using typescript and utilized firebase & AWS for database management.

Technical Services Asst. | LITS, Beloit

12/2022 - 05/2023

- Managed library's database to assure proper classification of materials, improving work efficiency by 40%. Controlled data entry procedures.
- Reviewed inventory using technique of Dewey Classification system. Conducted regular shelf organization to ensure an efficient inventory control process.
- Delivered accurate and precise reports for updates on database and inventory to supervisor.

Projects

Study Stash - Flashcards generator

- Architected and built a robust web application that generates flashcards using Next.js, OpenAI, Stripe API, Clerk, and Typography, achieving 95% accuracy and serving 100+ active users. Deployed using Vercel.
- Engineered data management with Firebase, ensuring real-time updates and seamless user experience.
- Designed and implemented UI components with MUI libraries and TypeScript, enhancing accessibility and responsiveness.

Custom AI Chat-bot

- Built and deployed a custom AI chatbot using React, MUI, and HTML/CSS, integrating OpenAI API for efficient customer query handling.
- Leveraged Vercel for deployment, ensuring high performance and reliability in production.
- Managed data with Firebase, providing robust and scalable database solutions.

Co-Curricular Experience

- President, Cricket Club 11/2023-Present
- College ambassador, Chess.com 08/2022-Present
- Member, Computer Science and Math 08/2021-Present

Skills

- Programming Languages - Python, JavaScript, Typescript, Java,
- Libraries - React, MUI
- Frameworks - Next, PyTorch, Spring Boot
- API - OpenAI, llama, Clerk, Stripe
- Development tools - GitHub, Eclipse, Jupyter, MySql workbench, Apache netbeans, MySQL.
- Cloud - SQLite, Azure, AWS
- Skilled in teamwork, delivering work on time and problem solving.

Relevant Coursework: Object Oriented Programming, Data Structures & Algorithms, Computer Architecture, Software Engineering Capstone, Database Capstone, Threads & operating systems, Computer Networks, Analytics with SQL, Discrete Mathematics