

EXPERIENCE

HEADSTARTER Fellow - SOFTWARE ENGINEERING FELLOW, CHICAGO, IL

Jul 2024- Sept 2024

- Led a hackathon team to design and implement a scalable AI-powered chatbot platform, achieving **30%** faster response times compared to baseline solutions.
- Collaborated with 4 peers to ideate and prototype a startup concept during the fellowship's capstone project, pitching the idea to program leaders.
- Actively sought feedback from mentors and teammates, implementing iterative improvements to project designs and personal development plans, resulting in a **20%** increase in productivity.
- Engaged in **collaborative learning sessions** on backend, frontend, and cloud technologies, gaining hands-on experience with tools like Git, REST APIs, PostgreSQL, and Firebase.

PROJECTS

UniVerse

Jan 2025 - Present

- Built a scalable backend system using **Django & PostgreSQL** to manage housing listings, bookings, and reviews.
- Developed **RESTful APIs** for property search, authentication, and transaction processing.
- Designed a **scalable database schema** to manage complex relationships between users, housing listings, bookings, and reviews, enhancing data integrity and performance.
- Integrated **Stripe API** to securely handle payments, ensuring seamless transaction flow.
- Deployed backend services using **Docker**, ensuring seamless cloud-based deployment.

AI Chatbot

Aug 2024 - Sep 2024

- Developed a RESTful API using **Node.js** to process user queries and return AI-generated responses.
- Designed API endpoints for user interactions, ensuring smooth JSON data exchange.
- Implemented error handling and fallback mechanisms to improve API reliability.
- Optimized request-response cycles, reducing latency in chatbot interactions.

GasMate

Apr 2024 - Jun 2024

- Integrated the **Apify Gas Prices Scraper API** to fetch real-time gas prices based on user location.
- Developed a RESTful service in Swift to handle API requests, parse JSON responses, and display results.
- Implemented location-based search using MapKit, improving user experience and accessibility.
- Optimized search functionality, reducing API response time by **30%** for faster gas price retrieval.

Fitness Tracker

Feb 2024 - Mar 2024

- Built a fitness tracking application using Swift, enabling users to log workouts, set goals, and monitor progress over time.
- Integrated a local database with **Core Data** to store and retrieve user activity history for offline access.
- Created intuitive user interfaces with **SwiftUI**, improving ease of use and engagement for fitness enthusiasts.

macOS Hardware Monitor

Oct 2023 - Nov 2023

- Engineered a Rust-based GUI application that aggregates and displays system information, including **real-time data** on CPU utilization per core, CPU frequency, RAM usage, and CPU die temperatures.
- Designed the Rust interface with Eframe and Egui crates, ensuring an intuitive and **user-friendly experience**.
- Integrated Egui_Plot to render dynamic line graphs representing average CPU utilization and RAM usage, providing **insightful visual analytics**.

EDUCATION

College of Computing and Digital Media, DePaul University

Graduation: March 2025

Bachelor of Science in Computer Science | 3.9 GPA

SKILLS & ADDITIONAL INFORMATION

Backend & APIs: Java (5 yrs), Python (4 yrs), JavaScript (2 yrs), Node.js, Django, RESTful APIs, Scalable API Design

Databases & Cloud: PostgreSQL, MySQL, Firebase, PL/SQL, Oracle SQL Developer, Docker, Vercel

Systems & Tools: Ubuntu (Linux), Unix Shell, Git, Agile, CI/CD Pipelines

Artificial Intelligence: OpenAI, Gemini, Claude, Cursor, GitHub Copilot

Creative: Storytelling, Vision Board, Leadership, Teamwork, Delegation, Agile

Interests: NBA, Formula 1, weight lifting, traveling, volunteering

Activities: Computer Science Society | Service Scholar