

Sami Samara

Chicago, IL

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EDUCATION

Saint Xavier University

Master of Science in Computer Science

GPA: 3.8

Chicago, IL

Dec. 2021 – Dec. 2022

Saint Xavier University

Bachelor of Science in Computer Science

GPA: 3.6

Chicago, IL

Aug. 2017 – Dec. 2021

EXPERIENCE

Software Engineer

Urban Communications

April. 2025 – present

Oak Forest, IL

- Built a LaTeX-Python pipeline to auto-generate PDF template documents from HTML form data
- Integrated SMS with Opt-In/Opt-Out functionality into a CRM using PHP
- Created CRM workflows to send SMS/email templates, auto-assign cases, and delete obsolete data
- Migrated business data from a legacy CRM to a new system while preserving integrity
- Optimized backend services to support seamless data flow, reducing server load times from 500ms to 120ms

Backend Software Engineer Intern

Changed App

Oct. 2023 – Oct. 2024

Chicago, IL

- Developed a business analytics application for administrators to view and analyze end-user statistics
- Collaborated with a development team to organize a Firebase database, optimizing data management by 20%
- Optimized database queries to improve data retrieval speeds, performance speeds from 140ms to 40ms
- Implemented authentication protocols with Firebase security rules, ensuring compliance with industry standards
- Optimized backend services to support seamless data flow, reducing server load times from 500ms to 120ms

PROJECTS

Video Game Database API | *JavaScript, Node.js, Express, Git*

- * Engineered an application that utilizes a RESTful API to fetch data collections, optimizing data retrieval
- * Designed a customizable filter system, enabling precise, targeted data searches, significantly improving UX
- * Deployed a caching mechanism, reducing API response times from 100ms to 50ms, improving app efficiency
- * Built an optimized database table for API search results, streamlining data organization

Starbucks Drive Thru App | *JavaScript, Firebase, HTML/CSS, Git*

- * Developed backend functionality for a drive-thru app, using JavaScript to build ordering system
- * Integrated Firebase for real-time data storage and synchronization, optimizing data flow by 50%
- * Delivered a presentation demonstrating the app's functionalities, and core capabilities
- * Facilitated weekly Agile Scrum meetings, leading a team of developers to stay on track of schedule

TECHNICAL SKILLS

Languages: JavaScript, C#, Java, Python

Frameworks: React.js, Node.js, Express, LaTeX

Developer Tools: VS Code, Firebase, Bootstrap, Git, Unity, Google Cloud Platform