

# Sami Samara

Chicago, IL

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## EDUCATION

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### 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

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### 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
- Engineered a login system that validates user information through firebase, ensuring stable login user flow

## PROJECTS

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### 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

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**Languages:** JavaScript, C#, Java, Python

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

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