

# YOUSEF SULEIMAN

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## PROFESSIONAL EXPERIENCE

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### DATASERV

SAINT LOUIS, MISSOURI

*Development Operations Intern*

*Jun 2023 – Present*

- Rolled out new import solutions for 22 clients, enhancing efficiency by modifying shell scripts to transfer files to AWS S3 and updating job scheduler parameters to use a new API endpoint.
- Created Python scripts for generating dummy data, streamlining testing and verification processes for import solutions.
- Consolidated SQL triggers on key tables and added indexes, resulting in up to a 50% reduction in wait times, according to DPA (Database Performance Analyzer).
- Migrated client jobs to the JAMS scheduler, boosting job scheduling reliability and performance.

### INSURANCE AUTO AUCTIONS

WESTCHESTER, ILLINOIS

*Business Technology Intern*

*Jun 2022 – Jul 2022, Dec 2022 – Feb 2023*

- Implemented a REST API for efficiently populating internal client metric reports using ASP.NET MVC, C#, and T-SQL.
- Conducted QA testing for business rule engine implementation on vehicle title and registration forms, ensuring accuracy and compliance with company standards.
- Led a team of 3 interns to create a marketing animation, elevating team collaboration.

## PROJECTS

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### SAHIB AL-QURAN

CHICAGO, ILLINOIS

*Web Application*

*Sep 2022 – Present*

- Designed and developed a web application using SvelteKit aimed at advancing Quranic studies for students and teachers.
- Deployed on Firebase with Cloud Functions, enabling automatic scaling and serverless backend.
- Utilized MongoDB for data storage and Prisma for database management.
- Achieved over 40 active users at the Mosque Foundation Education Center.

### JEN

CHICAGO, ILLINOIS

*Multiplayer Video Game*

*Dec 2022 – Jun 2022*

- Developed a multiplayer turn-based strategy game using Unity and C#.
- Modeled game entities in Blender, creating immersive and visually appealing graphics.
- Attempted to implement a minimax algorithm for AI control, identifying the need for reinforcement learning with a neural network to optimize performance.

### POKESCANNER

CHICAGO, ILLINOIS

*Image Classifier*

*Aug 2022 – Dec 2022*

- Collaborated with a team of 6 students to design a Pokémon image classifier web application using React.
- Managed training and fine-tuning of a Convolutional Neural Network model with TensorFlow, achieving a test accuracy of 80%.
- Presented the project during Innovation Day at Illinois Tech, demonstrating application use cases as a videogame companion and TV show guide.

## EDUCATION

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### ILLINOIS INSTITUTE OF TECHNOLOGY

CHICAGO, ILLINOIS

*Master of Applied Science, Artificial Intelligence, GPA 3.90*

*AUG 2022 – May 2024*

*Bachelor of Science, Computer Science, GPA 3.85*

*AUG 2020 – May 2024*

- Summa Cum Laude
- Dean's List for Excellent Scholarly Achievement

## SKILLS

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- **Communication & Interpersonal Skills:** Team Leadership, Collaboration, Presentation, Problem-Solving
- **Programming Languages:** C#, C, Java, Python, JavaScript, TypeScript, T-SQL, SQLite
- **Frameworks & Libraries:** .NET, .NET Core, React, SvelteKit, Entity Framework, Prisma
- **Machine Learning:** TensorFlow, PyTorch
- **Web Technologies:** HTML, CSS, JQuery, Tailwind CSS
- **Development Tools:** Linux, Bash, Git, Unity
- **Certifications:** Google Cloud Digital Leader