

# Zuhayr Hasan

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## EDUCATION

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### University of Western Ontario

London, ON

*Bachelor of Engineering Science in Software Engineering*

*Class of 2023*

**Relevant Coursework** Database Management, Algorithms and Data Structures, Object-Oriented Design, Operating Systems, Networking, Artificial Intelligence

## EXPERIENCE

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### Software Engineer Intern

May 2022 – Aug. 2022

*Equestrian Show Manager*

*Hamilton, ON*

- Demonstrated quick learning skills by acquiring proficiency in Ruby within a week and successfully applying it to accomplish various tasks, such as fetching accurate data from PostgreSQL, authenticating user information, and creating logical search queries
- Collaborated with a team of 4 engineers to review and troubleshoot work, leading to enhanced learning and improved outcomes through teamwork
- Re-organized 8 web pages and re-factored PDF reports using Ruby on Rails to create a better user experience

## PROJECTS

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### Lloyd's Portfolio | *JavaScript, React*

- Mock-up project for photographer and cinematographer, Lloyd Wakefield, which features over 20 images and 8 videos which were efficiently rendered using lazy loading techniques
- Responsive website to allow any device to have a great user experience

### Visualize Football | *JavaScript, Football API, ChartJS, React*

- Compare Europe's top players using over 25 statistics, each categorized by different roles and positions
- Fetch data from the Top 5 Leagues dating all the way back to the 2010/11 season, and present it in a clear and concise chart using ChartJS

### OddsOn | *JavaScript, Football API, React*

- Provide live football match information for the top European leagues featuring over 5 leagues and 100 clubs
- Dynamically displays a calculated rating, clean and simple formation with 22 players, and tables for both team and individual statistics, all in a user-friendly interface

### Spotif-AI | *JavaScript, OpenAI API, Spotify API, React*

- Created an automatic playlist generator using OpenAI and Spotify's API to generate playlists based off of input
- Automatically fetches and returns over 30 songs within a minute to instantly save in the user's library
- Authenticates the user's ability to stream and save the playlist

### StudyNote | *JavaScript, MySQL, React*

- Designed a relational database through ER modelling, logical modelling, and normalization, to develop a database model with minimal attributes and redundancies, which was implemented using MySQL
- Displayed leadership skills by organizing weekly meetings to improve communication within the group and ensure that every member is on the same page

### Picks | *Dart, Flutter, Firebase, FirebaseAuth*

- Built a database system using Firebase, to allow the storage of user information and multiple fantasy leagues
- Constructed an authentication system using FirebaseAuth to create unique users and to ensure privacy amongst them
- Allowed users to create and edit multiple leagues in real-time to create a competitive environment with friends

## TECHNICAL SKILLS

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**Languages:** Ruby, Python, JavaScript, Java, C#, SQL (Postgres, MySQL), HTML/CSS, Dart

**Frameworks:** React, Node.js, Express.js, Unity, Ruby on Rails

**Developer Tools:** Git, Jira, VS Code, Google Cloud Platform, Android Studio, Visual Studio, IntelliJ, Eclipse