


Zuhab Wasim

Languages


 Java

 C#, C

 Python

 Visual BASIC


 SQL


 HTML, CSS


 Javascript


 Ruby


Tools


 AWS


 Unity


 Postgres

 PyTorch


 Tensorflow


 React JS


 Ruby on Rails


 Mongo DB

Information

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Interests

Languages, piano, composing music, indie games, star gazing

Experience

BiblioCommons

May 2020—Aug 2021

Jr. Implementations Analyst

- Spearheaded library integration with web frameworks, Android apps, and iOS apps.
- Centralized all implementations of over 20 libraries on to the BiblioCommons products.
- Formalized meticulous notes of the process and paved the way to streamline integrations.
- Consulted clients for technical assistance including opting in for on-call for emergency issues.
- Expedited client networks to faster AWS cloud solutions for 40 libraries.
- Handled multiple implementations in a timely manner to earn an employee “star”.

FIRST Robotics

Sep 2015—Jun 2017

Founding Member and President

- Led the new team to achieve Rookie All-Stars and compete in the world championships.
- Overhauled robot components to improve performance to regional quarter finalist status.
- Supervised robot construction, hardware integration, and feedback loop programming.
- Coded PID controllers with Java to handle movement precisely with console controllers.
- Worked closely with industry engineers to design solutions to that year's competition.

Projects

Lighter Souls

May 2022

zuhab.itch.io/lightersouls

- Facilitated a team of 9 members to create a game with C# and Unity.
- Accomplished a full metroid-vania inspired game in one week for T.O. Jam 2022.
- Handled all player movements, controls, and animation integration.
- Actualized the final boss sequence and implemented necessary AI.

Reflection

Jan 2022—Apr 2022

zuhab.itch.io/reflection

- Oversaw a 10-person team of developers, musicians, and artists to design a full game 3 months.
- Leveraged Unity and C# to craft a 30-minute narrative/puzzle campaign from scratch.
- Showcased in the XP Game Summit, reaching 600 views and 150 downloads.
- Planned development workflows for each member to be the term's most productive team.
- Recognized as the most stand-out game of the semester by developers from industry.

Skinformation

Jan 2019

Delta Hacks V

- Developed an Android app in 24 hours and awarded the “Best Healthcare App” of the hackathon.
- Programmed a Java-based front-end to use camera input to identify 10 different diseases, their severity, and symptoms in seconds.
- Leveraged Microsoft's Azure AI with Tensorflow to accomplish a 96% accuracy rate in distinguishing healthy moles from cancer.

Speech Chess

Sep 2019

Hack the North 2019

- Reimagined an accessible type of chess incorporating Microsoft's Azure AI in 24 hours.
- Leveraged Azure speech recognition to control Chess with verbal commands.
- Designed a rudimentary Python parser that detects variations to still output the desired move.

Education

University of Toronto

Sep 2017—Aug 2022

Honours Bachelor of Science in Computer Science, Minor Mathematics

- Video Game Design
- Web Development
- Artificial Intelligence
- UX/UI Design
- Software Design Principles
- Machine Learning