

# Zuhab Wasim






## Languages

-  Java
-  C#, C
-  Python
-  Visual BASIC
-  SQL
-  HTML, CSS
-  JavaScript

## Tools

-  AWS
-  Unity
-  PostgreSQL
-  PyTorch
-  TensorFlow
-  React.js
-  Ruby on Rails
-  MongoDB

## Information

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-  [/ZuhabWasim](https://github.com/zuhabwasim)
-  [zuhabwasim.github.io](https://github.com/zuhabwasim)

## Professional Experience

### BiblioCommons

Software Developer

May 2020—Aug 2021

- Centralized **all** implementations for **20+** libraries with **React**, **Android**, and **iOS** apps.
- Thoroughly documented **70%** of the process and used **Python** and **SQL** to streamline integrations.
- Debugged **every** assigned issues facing the **Java** back-end and **Ruby on Rails** front-end employing **Git** Workflow.
- Expedited client networks to faster **AWS EC2** cloud solutions for **40+** libraries internationally.
- Utilized **PostgreSQL**, **Java**, and **Python** for transferring **over 1 million** records with batch processing timely to get "star" employee.

## Education

### University of Toronto

Honours Bachelor in Computer Science, Minor in Mathematics

- Artificial Intelligence [Python](#)
- Databases [PostgreSQL](#)
- Web Development [React.js](#)
- Machine Learning [TensorFlow](#)
- Software Design [Java](#)
- Operating Systems [C](#) [Bash](#)

## Projects

### Reflection

[zuhab.itch.io/reflection](https://zuhab.itch.io/reflection)

Jan 2022—Apr 2022

- Leveraged **Unity** and **C#** to craft a 30-minute narrative/puzzle campaign from scratch.
- Oversaw a 10-person team of developers, musicians, and artists to design a full game in 3 months.
- Contributed to over **50%** of the entire codebase, focusing on gameplay programming.
- Showcased and recognized as the most exceptional game of the course, reaching **600+** views and **150+** downloads.

## Hackathons

### Skinmergency

Delta Hacks V

24 hours

- 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.

### CommuniPay

UofT Hacks VI

36 Hours

- Refocused the **Interac API** in an **Android** app to streamline splitting e-transfers for groups.
- Created a complete **Java** front-end platform and **Python** back-end that efficiently held user data in document-style formatting using **Google Firebase**.
- Majorly contributed to the app by diagnosing critical API request issues with the help of industry professionals with **Postman** in the last 4 hours.

### Speech Chess

Hack the North 2019

24 hours

- Reimagined an accessible chess with Microsoft's **Azure AI**, and **Python** libraries in 24 hours.
- Reduced response recognition by **~80%** using a **Python** parser that detects verbal variations.
- Increased detection rates by **11%** with similarity checkers for Azure's natural language processing.