

# HAMZA KHAN

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## SKILLS

- Python, Java, C, HTML, CSS, React/Javascript, Spark in Scala and CUDA, C++ and Unity
- Building scalable, load balanced and fault tolerant software using docker, cassandra, redis
- Databases: SQL Language (particularly MySQL and PostgreSQL), Mongo and Cloud Firestore
- Scrum methodology

## EDUCATION

**University of Toronto Mississauga**

**September 2018 - April 2021**

*Bachelor of Science – Specialist in Computer Science*

## PROJECTS

**Solitude (3D Indie Game)**

**January 2021 – April 2021**

- Leading a team of 3 developers to work in Unity
- Working in tangent with a music and art team of 4 individuals to create the game
- Intermittently presenting progress to a panel of industry experts

**MCSS Website (Web App)**

**January 2021 – April 2021**

- Working in a team of 6 people to implement a web app using the MERN tech stack
- Working on the backend with a partner to implement the express routes and authentication system
- Using the Scrum methodology with the Jira software to streamline the development process

**Felicity (iOS/Android App)**

**January 2021 – Present**

- Using Flutter and the Dart language to implement a wellness/productivity app in with a team of 15 developers
- Collaborating with a research team of 40 people to incorporate evidence-based features into the app
- In charge of integrating the Cloud Firestore database with the app

**URL Shortener (Course Related Project)**

**November 2020**

- Multithreaded URL Shortener build using Flask in Docker for scalability and load balancing. Cassandra in docker used as storage with Redis in docker used as cache

**Personal Blog ([view more](#))**

**September 2019 - Present**

- Reflecting on my learning experiences in Computer Science, technical concepts and communication skills

## WORK EXPERIENCE

**Paladin Security**

**June 2018 – Present**

*Security Officer*

- Dealt with multiple highly stressful situations and learned to process information under pressure
- Handled unique workplace related issues daily through highly creative thinking
- Demonstrated confidence through composure in stressful situations and reliability through a strong work ethic

**Home Depot**

**June 2017 – May 2018**

*Cashier/Service Desk Associate*

- Solved complex problems for customers on a regular basis to ensure maximum customer satisfaction
- Adapting to new situations to meet customer or managerial needs
- Acted as a role model to new employees and facilitated them in understanding their role

References are available upon request.