

Karishma Shah

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Computer Engineering Student

<https://github.com/karishma-shah>

Toronto, ON

Education

University of Toronto

Graduating May 2024

Bachelor of Applied Science, Computer Engineering Co-op

Work Experience

Virtual Software Engineering Internship, JPMorgan Chase & Co.

Sept 2020 – Jan 2021

- Created an interface with a stock price data feed using **Typescript**, **React**, and **JPMorgan Chase frameworks and tools** to allow traders to visualize and analyze data in real time
- Successfully added functionality to a trader's dashboard to allow them to input specific information so that can monitor a new trading strategy, which increased R-multiple by **200%** compared to traditional trading strategies

CIBC, Summer Intern | Associate Processor, Operations Management

May – Aug 2020

- Worked on CIBC Student Leadership Academy summer project on finding AI Fintech startups beneficial for CIBC and pitched solution to **senior leaders**
- Identified and recommended changes to existing processes to save an average employee **30%** of their time per day

eyesUp, Co-Founder

Nov 2018 – April 2019

- Managed a team of 29 employees to create a facial tracking device that helps combat distracted driving using the Viola-Jones Algorithm, raspberry pi zero, in **Python**
- **Most Innovative Company of the Year Award Winner** – competing with Global JA companies, **President of the Year Award Winner** – Provincial
- Achieved entry into market, with several eager investors including the former **CEO of TMX Global Solutions**

Team Lead, Engineering Strategies and Practices Team at University of Toronto

Sept 2019 – May 2020

- Researched, designed, managed, and proposed a flood mitigation system to combat Toronto Island Floods proven to improve transportation within the Island by **35%**
- Proposed a lifting mechanism to reduce the difficulties that people with mobility issues face while using VIA rail and pitched it to the CEO of Left Turn Right Turn Ltd., using **SolidWorks** and **Computer Renderings**

Projects

The Posity Company

- Developing an **iOS application** that filters news through top 10 conventional news channels and display only the positive ones in order to improve mental health

Reversi Computer Algorithm

- Created an algorithm that strategically played the game Reversi in C by utilizing **minimax algorithm** and won 100% of times
- Defeated the 'smartest' algorithm programmed by upper year students which few people were able to do

Award-winning Marketing Campaign

- Created a campaign for a local daycare resulting in 10% increase in child enrollment, 5% increase in referral rate/quarter placed top 10 at ICDC in Florida, USA.

Skills

Python

C/C++

Java

HTML5

CSS

Git

Matlab

SolidWorks

Awards

- U of T COVID-19 Student Engagement Award - \$3000 [2020]
- Dean Merit Scholarship - \$5000 [2020]
- President of the Year – Junior Achievement [2020]
- Top 5 Space Hacks – SPARK Hackathon [2019]
- DECA International Career Development Conference Finalist [2019]