

# Sherry Ma

## Software Developer

A motivated, enthusiastic learner

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## EDUCATION

### University of Toronto

September 2016 – April 2020

Honours Bachelor of Science in Computer Science, Software Engineering Stream

- Relevant courses: Programming on the Web, Algorithm design and analysis, Computer and Network Security, Software Design

## SKILLS

- **Languages:** Java, Python, JavaScript, SQL, C, C++, Go
- **Technologies:** Android Studio, Django, Docker, Git, Google Cloud Platform, MySQL, Node.js, Postgres, Postman, React.js, Selenium, Travis CI, Wireshark, Unix system

## WORK EXPERIENCE

### Software Engineer, University of Toronto

Toronto, Ontario | May 2019 - Present

- Responsible for developing MediaCAT, a web crawler that crawls news articles & tweets on Twitter
- Maintained the cloud instance which the web crawler is running on
- Created a batch upload feature for the crawler to crawl websites on given a set of Excel sheets
- Utilized Selenium to download rendered HTML source code for crawling data

### Blockchain Developer, Creativeworks Group Limited

Hong Kong, China | May 2018 - August 2018

- Developed a Blockchain application, Forbole, which lets users contribute to the blockchain network to get rewards depending on their contribution
- Maintained and deployed the chain using Google Cloud Platform
- Implemented functions in both CLI and API, used by the application and its users
- Managed the codebase and kept it up to date with the developing framework Cosmos

## PROJECTS

### PokeBot, Discord Bot built with **Node.js** & **MongoDB**

January 2020 – Present

- Discord game bot that allows users to catch a variety of Pokémon and trade with friends
- Implemented functionalities and interface design for catch, inventory, shop, and several other commands
- Deployed the application through **Heroku** for public use

### CatchEm\*, Web application built with **React framework** & **MongoDB**

February 2019 - April 2019

- A Pokémon RPG with real time battles and Pokémon catching
- Users can catch Pokémon and interact with friends using chat box built with the **Socket.IO** library
- Integrated OpenWeather API for determining encounter rates of Pokémon from the user's location

### Personal Website (<https://sherryma.me>)

April 2019 - Present

- Used **React framework** for the website
- Included detailed descriptions (with pictures) of more projects I have worked on

### Product Organizing Helper, Lightweight **Android** Application

October 2018 - Present

- An Android app that helps organize products and allows users to modify data entries
- Barcode/QR code scanning feature for fast data entry
- Designed for personal or small company to use

### Gaia Bot Monitor, Telegram bot written with **JavaScript** and **Python**

July 2018 - August 2018

- Notifies users of important events by tracking the server-side log of a blockchain testnet (Gaia-xxxx)
- Implemented a set of commands that allows users to decide what events to receive and subscribe
- Designed for Cosmos' internal testnet