Sherry Ma
Software Developer
A motivated, enthusiastic learner

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EDUCATION

**Specialist Program in Computer Science –
The Software Engineering Stream**
University of Toronto
September 2016 – April 2020 (expected)   Toronto, Ontario

SKILLS

Java, Python, JavaScript, HTML, C, C++, Go
Git, SVN, Bash, Unix system, Node.js, React.js, Django, MySQL, Android Studio, Selenium, Travis CI, Postgres, Google Cloud Platform, Postman, Photoshop

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

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, with Node.js JavaScript runtime environment
- 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

Online Banking System, *Android Application with MySQL database*   June 2017 - August 2017
- An online banking application on Android System
- Users can do certain actions according to their roles like sending messages, create accounts, etc.
- MySQL database are used for storage