Ryan Chang

+1 647 962 5400 | ryanrz.chang@mail.utoronto.ca | github.com/tyranitar898

Education

University of Toronto — 2017 - 2021(Expected)

● Bachelor of Science, Computer Science Specialist ● Major GPA : 3.55

Relevant Coursework:

● Multivariable Calculus ● Software Design ● Computer Organization ● Linear Algebra

● Theory of Computation ● Systems Programming ● Data Structures ● Databases

Experience

Filament AI | Software Engineering Intern — 2020 - now

- Built and customized responsive and WCAG AA compliant chatbot using **Redux** and **React** for Canadian professional telephone kids counselling company - Kids Help Phone.

- Implemented a variety of interactive dashboard functionalities for private equity consulting firm Siris using **React** while working with internal development and product management teams.

Programming Skills

- Languages: Java, C++/C, JavaScript, HTML, CSS, Verilog HDL

- Tools/Technologies: Git, React, Redux, PostgreSQL, Android Studio, Node.Js, Express.js

Projects

Bomber Man Android Game | Demo — 2019 - 2020

- Designed and developed an Android Game in **Java** using the model view presenter.
- Developed classes with clear responsibilities, employed design patterns and OOP principles to keep codebase extensible and readable.
- Utilized git to monitor changes within the project and learned how to collaborate and communicate withteammates while using git best practices.

Redflags.io | redflagsio.herokuapp.com — 2020 - now

- Built a multiplayer card game that utilizes Socket.io in **Node.Js** for bidirectional communication between server and clients.
- Developed front end using **React**.

Drenalin | sportnetwork.firebaseapp.com — 2016 - 2017

- Independently developed web-based application designed to help athletes meet up, discover and host single day/on-going league based sporting events.
- Utilized **JavaScript** to present real time sport event information using **Firebase**.
- Simplified processes such as joining, discovering and creating sporting events nearby by presenting both a list and map view.

Interests

- Religiously follow the NBA ● Love the outdoors ● Food enthusiast