

Isabella Han

University of British Columbia (Vancouver V6T1Z4)

Email: hanxy030703@gmail.com

YouTube: (Algorithm & CS Channel) <https://www.youtube.com/channel/UCoZEDkp4qVaVAj1Nvh6y9lw>

GitHub: <https://github.com/Isabella373>

Experience

2022-10 – 2022-1 Gamified App for Carbon Footprint Development Project (Software Developer)

- UBC Business Research Project, collaborate with Professors & students in UBC Sauder Business school
- Use **React, JavaScript, Node.js** to develop this APP on both Android and IOS Operating System
- I am the software developer who develop **API**, construct **database**, implement the **frontend**, finish both **Android** and **IOS** development, and design integration and end-to end **test**.

2022-02 – 2022-10. UBC Visual Cognitive Research Lab (Co-pilot)

- Applied research about Computational Modelling and Data Visualization (Java, JavaScript, html)

2022-10 YouTube Algorithm Channel

- Share How I design and analyze complex algorithms and data structure on YouTube (**C++**)

2021-08 – 2021-09 Software Start-Up HI Neighbor (Volunteer)

- Promotion and advertising volunteer (Team-work experience to contribute to a startup's growth)

Education

2021 – 2025. University of British Columbia (Bachelor of Science) Second year student

2018 – 2021. Top 1 High School in China (Most **Competitive** High School to get into)

- **C, C++, Java, HTML, CSS, JavaScript, React, TypeScript, etc.**
- Strong background in Mathematics and Science, Good at **logical analysis** and **Love Challenging Work**

Project

1.To-do List (**JavaScript, CSS, HTML, React, TypeScript**)

- <https://github.com/Isabella373/ToDo-List.git>

2.MAC-OS (**React, CSS, Typescript**)

- React, Event listener, Canvas, frontend Optimization, CSS Preprocessing, Component-based design
- I make a drawing board, calculator, launchpad etc., that is the similar to Mac-OS Operating System.
- <https://github.com/Isabella373/MacOS-System.git>

3.Web-Crawler (**Java Project**)

- Figure out popular search term on the internet to improve Search engine optimization
- Use multi-core architectures to implement a parallel web crawler, Serialize/Deserialize JSON in Java

4.Product Display Web Page (**HTML, CSS, JavaScript**)

- Adidas 3D purchase page

5.Personal Diary (**Java Project**)

- Java project, record daily events, feeling and life experience
- Read and write I/O to JSON files, UI design, Object programming with Java