





Ryder He

 B.CS., Data Science, [University of Waterloo](#) 2016 - 2020

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SKILLS

- Programming Languages: Python, JavaScript, Typescript, PHP, Java, C, C++, Scala, R, SAS, SQL
- Frameworks/Libraries: React, Vue, Node, Express, Bootstrap, Flask, Spark, TensorFlow, PyTorch
- Tools: Git, Latex, Markdown, Vim, VSCode

EXPERIENCE

Web Developer, [CIBC](#), Toronto, ON June 2021 - Present

NodeJS/TypeScript(React)/MySQL/Python(Flask)

- Engineered and built various features of CIBC's internal employees coaching app using React and Node.js.
- Maintained and improved scalable feedback form and tableau portal applications responsible for the communication between internal employees and managers using Python (Flask).

PROJECTS

Chat App Feb 2021

NodeJS/JavaScript(Vue)/Socket.io/Heroku

- Led implementation for the front-end of the live chat app using Vue.js; Developed several features including group chat, presence status display, typing status display, sound effect, and push notification.
- Built the back-end server using Node and Express with support for multiple group chats at the same time.
- Deployed on Heroku; applied manual testing to ensure the app's functionality and availability.

Flappy Bird Clone Game Oct 2019

Python

- Recreated the flappy bird game using Python with pygame library.
- Created boundary constraints, crash events and menu display. Designed different difficulty levels by changing the speed and the gap between blocks.

Operating System Oct 2019

C

- Programmed a simplified operating system kernel in C.
- Implemented synchronization primitives (locks, conditional variables) for multithreading use.

CERTIFICATIONS

Learn PHP Course - issued by Codecademy in Nov. 2020.

SAS Certified Advanced Programmer for SAS 9 - issued by SAS in Sep. 2019.

SAS Certified Base Programmer for SAS 9 - issued by SAS in June 2019.