

Ruifeng(Harris) Hua

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SUMMARY OF QUALIFICATION

- Experienced with machine learning and AI through completing a written report regarding predicting the stock market and VIX using machine learning and genetic algorithm with a professor at UofT and a perfect score on machine learning course.
- High proficiency of coding skills using Java, C, C++, Python in microservices, multiprocessing and operating system.
- Strong understanding of object-oriented programming and web development by implementing several web applications using JavaScript, GraphQL, React, Apollo and MongoDB Atlas.
- Solid understanding of algorithms including greedy algorithm, Divide & Conquer algorithm, Dynamic Programming algorithm, Linear Programming algorithm.
- Experienced with cryptography and both internet and operating system security including asymmetric encryption, Arp spoofing, Buffer Overflow Attacks, etc., and completed 23 CTF security challenges with a 93% pass rate.
- Proficient in both Android and IOS developments through implementing a personal safety app that utilized users' current location and several google APIs written in Java and Swift respectively.

EDUCATION

Candidate, Honours Bachelor of Science (Co-op) 2018 - Present
University of Toronto Scarborough, Scarborough, ON
Specialist in Computer Science Co-op
Awards: University of Toronto Scarborough Dean's List (2021)
CGPA: 3.60/4.00

WORK EXPERIENCE

Incoming Back End Developer Intern (Data & AI), IBM, Toronto, ON May 2022 - Present

Lead Game Developer, KittenJar Software Studio, Toronto, ON/Jinhua, CN May 2021 - Present

- A startup indie game company partnered up with professional voice actors and scriptwriters.
- Implemented the demo of the game that won second place in a game developing competition with a \$2000 prize judged by professional game developers and scriptwriters.

PROJECTS

Sanctuary (personal safety app on both Android and IOS) Sept 2021 - Dec 2021
Java/Swift/Google APIs/Android APIs/Apple APIs

- Implemented the app on both Android and IOS and Integrated the app with Google and Apple Maps and multiple Google APIs including Distance Matrix API, Places API and Maps SDK as well as multiple Android APIs including audio recording, storing data and files, capturing users' current locations, background and accessibility services etc.

Sorting Algo Visualizer (online web application for visualizing sorting algorithms) Apr 2021 - May 2021
JavaScript(React)/NodeJS *Self-Initiated Project

Danmaku (online web application for video and audio streaming with live commenting) Jan 2021 - Apr 2021
GraphQL/JavaScript(React)/NodeJS/MongoDB Atlas

Celestial Renegades (Third-Person shooter Unity game) May 2020 - July 2020
C#/Unity/AI pathfinding *Self-Initiated Project