

LARRIS XIE

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SKILLS

Languages: C++, C#, Java, Python, JavaScript, TypeScript, SQL, Dart, R
Frameworks: React, NextJS, ExpressJS, NodeJS, Flutter
Tools/Databases: Git, Vercel, Figma, Postman, Google Cloud, Unity, MongoDB, Firebase, SQLite

EXPERIENCE

Lumiere Education

Student Researcher

Remote

August 2022 - Feb 2023

- Analyzed a financial transactions dataset using Python and trained a machine learning model to classify fraudulent financial organizations with an **accuracy of over 99%** and a **0.001% false positive rate**.
- Wrote and published a research paper in the **Journal of High School Science** [↗](#) under the mentorship of professor Maria Konte, a computer science PhD from Georgia Tech.

J.P. Morgan Virtual Program

Virtual Software Engineer

Remote

September 2023 - November 2023

- Fulfilled engineering tickets to create a **quantitative analytics platform** [↗](#) that helps traders better identify under/over-valued stocks.
- Launched a data dashboard for the visualization of JPMorgan Chase's Perspective library, **saving trader productivity hours**.

PROJECTS

Frood [↗](#) React, Redux, ExpressJS, NodeJS, MongoDB

- Developed a **MERN stack web app** that allows people to find recipes based on the ingredients they currently have in their kitchen.
- Implemented a **REST API with NodeJS** to handle user authentication with JWT, user input of ingredients, and querying through **MongoDB** to filter the recipes.

NutriScan [↗](#) Swift, Python

- Developed an **iOS app** that tracks daily nutritional intake through computer vision.
- Created a **Python script** that classifies the food in a photo using image recognition and displays the total nutritional facts to the user.

The Fastest Root [↗](#) React, NextJS, TypeScript, ExpressJS, NodeJS

- Developed an **full-stack web app** that calculates the cheapest and fastest grocery shopping route.
- Implemented a **REST API with NodeJS** that scraps the website of nearby grocery stores for prices, then calculates and displays the best route using the Google Maps API.

AWARDS

2nd Place

2nd place project at the FinTech hackathon out of 300+ registrants.

ProfiTech

July 2021

2nd Place

2nd place project at KuriusHacks out of 500+ registrants.

KuriusHacks

August 2021

Winner

Recipient of the best R package to visualize data from the NatureCounts database challenge.

Birds Canada Data Challenge

August 2021

Winner

Winner at the Major League Hacking new years hackathon out of 100+ registrants.

SYLH2 MLH Hackathon

January 2023

3rd Place

3rd place project at Ignition Hacks out of 400+ registrants.

Ignition Hacks

August 2024

EDUCATION

University of Waterloo

Bachelor's of Computer Science

Nortel Institute Scholarship Recipient (\$1750)

Waterloo ON, CA

Sept 2024 - May 2029

Bayview Secondary School

IB Diploma GPA: 99.33%

Richmond Hill ON, CA

Sept 2020 - Jun 2024