Nigel Huang

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education

Ryerson University, Toronto, ON — Sep 2018 to May 2022
Bachelor of Engineering, Computer Engineering
(cgpa: 3.89 / 4.00)

experience

Royal Bank of Canada, Toronto, ON — May 2020 to Present
Quality Engineer Intern

Student Learning Support, Ryerson, Toronto, ON — Dec 2019 to Present
Professional Tutor

- Provided one on one tutoring for university level STEM courses

Ryerson Artificial Intelligence, Toronto, ON — Sep 2019 to Present
Web Developer

- Used React, HTML, CSS, and Material UI to build a responsive team website
- Optimized site SEO to increase the average Google search ranking from 68 to 8.3
- Integrated content management system which utilized GraphQL

TransCore Link Logistics, Mississauga, ON — Apr 2019 to Aug 2019
Software Developer Intern

- Developed automation tools on Salesforce with Lightning (JavaScript) to greatly speed up operations
- Maintained mission critical SQL Server SSIS packages and ETL integrations
- Fixed bugs, optimized SQL queries, and wrote white box unit tests in Apex

projects

Polling System Backend - Hack the Valley 2020

- Wrote Google Cloud Functions for integration for Firebase database
- Designed the database schema and API endpoints (used Node.js, Firebase SDK)

Chat Bot Backend

- Implemented a real time chat system using Flask, App Engine, and WebSockets
- Developed Angular services which consumed the RESTful API
- Utilized Google Cloud Firestore database for storage of conversation history

Temperature Forecasting Model

- Cleaned up, visualized, and transformed a time series dataset to create a model with 78% accuracy using Facebook Prophet
- Utilized Python, Pandas, scikit-learn, and seaborn

Python Space Shooter Game

- Created player controls, sprite classes, enemy generation, and targeting systems
- Added modular features such as powerup items, scoreboard, and varying difficulty

languages Python, Java, JavaScript, C/C++, SQL

platforms/tools Node.js, Salesforce, Google Cloud Platform, JUnit, Git