Eric Huang

+1 5148242881   ehugy.business@gmail.com   http://www.linkedin.com/in/erichugy   https://github.com/erichugy

WORK EXPERIENCE

LIDD Consultants | **Software Developer** — May 2023 - Present

- Designed and deployed custom web pages (Suitelets) using JS, HTML, and CSS, automating over 20 accounting processes to reduce touch points in reporting workflows, leading to a 50% reduction in reporting time.
- Integrated NetSuite with third-party Warehouse Management Systems and Transportation Management Systems following CI/CD best practices, creating REST API endpoints, designing data contracts and automating response processing, resulting in a 200% improvement in data exchange speed.
- Built high-capacity order-fulfillment pipelines capable of processing up to 100 orders per minute using the Map Reduce architecture, which improved order processing speed during peak times.

McGill University | **Researcher** — Sep 2024 - Dec 2024

- Leveraged distributed deep reinforcement learning architectures (Distributed DQN, A3C, and IMPALA) to solve path finding in dynamic grid environments reducing time until convergence by over 50%.
- Delivering weekly technical presentations breaking down research papers on cutting-edge reinforcement learning and distributed systems technologies to study groups of up to 10 people.

Pratt & Whitney Canada | **Data Science Intern** — Sep 2022 - Dec 2022

- Launched a CI/CD pipeline to automate large datasets' extraction, cleaning, and parsing, using regular expressions and pandas to enhance data reliability, reducing data errors by 20% and cutting processing time by 75%.
- Combined Python with Power BI to construct an interactive KPI dashboard, giving managers real-time insights and automating nearly 50% of monthly financial operations, and expedited month-end reporting by 25%.

SOFTWARE PROJECTS

Hack4Impact McGill - Welcome Collective | TypeScript, React Native, Node, Express, Docker — Sep 2024 - Present

- Developing a logistics management app to optimize route planning for Welcome Collective (an NPO), enabling the coordination of pick-up/delivery routes, utilizing Materials UI, Vite, and Express.
- Implementing a PostgreSQL database to track donations, and customer data in compliance with Quebec's Bill 25.
- Integrated JWT Tokens for secure user authentication, mitigating unauthorized access incidents.

123Loadboard - CodeJams Hackathon | Flutter, Python, MQTT, Scikit-Learn, Docker, Fast API — Oct 2023 - Oct 2023

- Designed a recommendation algorithm for truck drivers to optimize deliveries and maximize their profit.
- Developed predictive models to estimate possible upcoming deliveries employing Random Forest Regression.
- Created a graphical interface for administrators to monitor deliveries using Flutter.

Stock Sentiment Analyzer | Python, Alpaca Market News, Cohere NLP, Flask — Jan 2022 - Jan 2022

- Implemented an application that presents buy/hold/sell recommendations based on the market sentiment of news coverage surrounding a large-cap company.
- Fine tuned and leveraged Cohere's Natural Language Processing models to assess sentiment in articles.

EDUCATION

University of McGill

Bachelor's in Computer Science, *Minor Management*   *CGPA: 3.85/4.00*

Relevant Courses: Algorithms and Data Structures, Applied Machine Learning, Calculus 3, Database Systems, Discrete Mathematics, Information Retrieval, Operating Systems Probability, Software Systems, Statistics
Clubs: Google Developer Student Club, Hack4Impact, McGill Investment Club, BOLT BootCamps

TECHNICAL SKILLS

Programming Languages: Python, Java, SQL, C, C++, JavaScript, TypeScript, HTML, CSS, GoLang, OCaml, R, Bash
Tools: React, React Native, Node, Express, Fast API, Flask, Pandas, Matplotlib, Scikit-Learn, Pytorch, PostgreSQL, Unix/Linux, Docker, Amazon Web Services, EC2, Azure DevOps, Git, Github, Gitlab, Jira