

ERIC HUANG

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WORK EXPERIENCE

- Botpress | Software Developer Intern** Jan 2026 - Present
- Developed a Human-in-the-Loop (HITL) integration for Botpress, enabling agent intervention in chatbot workflows for escalation and review, improving enterprise readiness and deployment confidence.
 - Built an Odoo ERP integration for Botpress chatbots, allowing ERP databases to be used as dynamic knowledge bases, powering demo-driven sales engagements and supporting 5 prospective enterprise clients.
- LIDD Consultants | Software Developer** May 2023 - Jan 2025
- Led requirements gathering and designed a custom NetSuite order-entry application, supporting ~10,000 items with real-time inventory updates for 5 concurrent sales reps, delivering non-native parallel workflows.
 - Designed custom NetSuite web pages using JavaScript, HTML, and CSS, automating 20+ accounting processes, reducing reporting touch points, and cutting reporting time by 50%.
 - Integrated NetSuite with third-party WMS and TMS platforms, building REST APIs, defining data contracts, and automating order-to-cash workflows, doubling fulfillment throughput within the same processing window.
 - Built high-throughput order-fulfillment pipelines using NetSuite Map/Reduce, processing up to 100 orders per minute and improving peak-time order processing performance.
- 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 to convergence by over 50%.
- Pratt & Whitney Canada | Data Science Intern** Sep 2022 - Dec 2022
- Launched a 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, Node JS, Express, Docker Sep 2024 - May 2025
- Developed a logistics management web application to optimize pickup and delivery routes for a non-profit, improving coordination efficiency across volunteer operations enabling WC to serve over 100 clients daily.
 - Implemented 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.

EDUCATION

University of McGill

Bachelor's in Computer Science, Minor Management - [GDSC, MIC, MBIA, Hack4Impact, Bolt Bootcamps] 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

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, SQL, Java, C++, Go, Bash, HTML/CSS

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