

ERIC HUANG

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WORK EXPERIENCE

Botpress | Software Developer Intern

Jan 2026 - Present

- Built an Odoo ERP integration (TypeScript, Node/Bun, Zod), creating REST endpoints and exposing ERP entities as dynamic bot knowledge; supported \$200K+ in enterprise pipeline.
- Extended the Slack integration with cross-channel routing and state correlation, enabling multi-legged conversations with in-thread response reconciliation.
- Built an ADK-based Slack bot that auto-logs ~10 integration requests/week, improving traceability and cutting support-channel noise.
- Hardened the public Botpress ADK CLI (npm/Bun; ~400 weekly downloads) and refined ADK agent-skill files for Claude Code/LLM workflows, improving agentic UX and development reliability.

LIDD Consultants | Software Developer

May 2023 - Dec 2025

- Automated 20+ accounting and order-to-cash workflows via custom NetSuite pages (JS/HTML/CSS) and Map/Reduce pipelines, processing 100 orders/min and cutting reporting time by 50%.
- Integrated NetSuite with WMS/TMS via REST APIs and data contracts; automated order-to-cash workflows and built Map/Reduce pipelines processing up to 100 orders/min.
- Refactored inefficient JOIN operations and implemented query caching reducing lookup latency by 65% (~800ms).

McGill University | Researcher

Sep 2024 - Dec 2024

- Architected a distributed path-finding system using IMPALA and RLlib to train agents on 10×10 grids; proposed a hybrid A*/RL framework that utilizes classical navigation for global paths while delegating local collision avoidance to RL-trained sub-grids.
- Developed a "Revolving Mini-Batch" training strategy that rapidly cycled agents between three non-overlapping environments every 2 iterations; eliminated catastrophic forgetting and enabled a single robust policy to generalize across distinct obstacle layouts and varying start/goal states.

SOFTWARE PROJECTS

Hack4Impact McGill - Welcome Collective | TypeScript, React, Node.js, Express, Docker

Sep 2024 - May 2025

- Engineered a logistics routing engine using A* to optimize donation pick-up/delivery schedules; enabled managers to coordinate routes for 100+ daily clients with to minimize total travel distance and fuel consumption.
- Designed a PostgreSQL schema to manage real-time inventory and client data, replacing manual workflows with a Dockerized Node.js backend that improved item allocation accuracy by 40%.

123Loadboard - CodeJams Hackathon | Flutter, Python, MQTT, Scikit-Learn, Docker, FastAPI

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.

EDUCATION

McGill University

Bachelor's in Computer Science, Minor Management

3.85/4.00

Relevant Coursework: Algorithms & Data Structures, Operating Systems, Database Systems, Applied Machine Learning

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, Bash, HTML/CSS

Backend: Node.js, Bun, npm, Zod, Express, FastAPI, Flask

Frontend: React, React Native

Data/ML: Pandas, Matplotlib, Scikit-Learn, PyTorch

DevOps/Tools: Docker, Azure DevOps, Git, GitHub, GitLab, Jira, Unix/Linux, PostgreSQL