

Andy Craig

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Experience

ClearEstate

July 2024 – Present

Full Stack Software Engineer

Toronto, Ontario

- Develop and enhance features for ClearEstate's estate settlement platform using Laravel PHP and Vue.js for user-friendly solutions.
- Contributed to the development of ClearEstate's in-house RAG system, with access to over 10,000 documents in the knowledge base.
- Architected and implemented various estate settlement features, including probate determination, document generation and aftercare services.

Cactus - Loyalty Rewards App

September 2023 – April 2025

Co-Founder and Lead Developer

Kingston, Ontario

- Co-founded a cross-platform loyalty rewards app, architecting a complete ecosystem with customer and business applications (React Native, Laravel PHP, Vue.js, PostgreSQL).
- Led full-stack development of a production-ready platform, implementing features like QR code point collection, rewards management, and CI/CD pipelines using GitHub Actions.
- Successfully exited the company for \$20,000 after 12 months.

Ecobee

April 2022 – May 2023

Machine Learning and Data Engineering Intern

Toronto, Ontario

- Maintained production services in the Ecobee ecosystem, including ETL jobs and ML pipelines that served over 1,000,000 thermostats.
- Engineered an end-to-end evaluation pipeline for a computer vision model for package detection on doorbell cameras.
- Implemented a Kubeflow pipeline for smoke/CO alarm detection, achieving 98% accuracy in detection.
- Developed a custom metrics API to monitor services, ensuring adherence to SLOs and enabling proactive issue resolution.

Projects

WorkoutPal • *Swift, Tensorflow, YoloV8, Python, Flask*

- Led the development of WorkoutPal, a workout analysis app utilizing YoloV8 for real-time feedback on form and performance.
- Designed an end-to-end ML pipeline serving model inference to a SwiftUI iOS app, leveraging AWS for API hosting.

Pursuit Labs - Task Management AI • *Prototyping, Business Development, UI/UX Design*

- As part of a startup incubator, led the ideation of an AI-driven workforce management platform for enterprises.
- Secured 2nd place and \$5,000 funding at the 2021 Canadian Undergraduate Conference on AI (CUCAI), demonstrating product innovation.

Education

Queen's University

Class of 2024

First Class Honours, Bachelor's of Applied Science in Computer Engineering (GPA: 3.5 / 4.0)

Kingston, Ontario

- **Relevant Coursework:** Data Structures and Algorithms (C++), Distributed Systems, Data Analytics, Neural And Genetic Computing, Database Management Systems, Advanced Computer Architecture, Software Performance Engineering, Software Engineering, Cryptography and NetSec

Technical Skills

Languages: Python, JavaScript, Go, Java, C++, C, SQL, PHP

Technologies: Kubernetes, Docker, Flask, Google Cloud Ecosystem, CircleCI, Apache Beam, Airflow, TensorFlow, n8n, Langchain

Concepts: RAG, Agentic AI, Cloud Computing, User Interfaces, Distributed Systems, Data Engineering, Data Science, Machine Learning