

Andy Craig

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<https://github.com/AndyCraig200>

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, Database Management Systems, Advanced Computer Architecture, Software Performance Engineering, Software Engineering

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.
- Optimize the codebase for performance, scalability, and reliability through code reviews and refactoring.
- Collaborate with cross-functional teams to implement features that streamline estate management and enhance user experience.
- Utilize Git and Jira to coordinate development efforts and ensure timely project delivery.

Cactus 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 mobile app (React Native), storefront app, and business web app (Laravel, Vue.js, PostgreSQL).
- Led full-stack development of a scalable platform, implementing core features like QR code point collection, rewards management, analytics dashboards, and CI/CD pipelines using GitHub Actions.
- Exited the company for \$20,000 after 19 months, showcasing strong product-market fit and technical execution.

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.
- Engineered an evaluation pipeline for a computer vision model, optimizing accuracy.
- Implemented a Kubeflow pipeline for smoke/CO alarm detection, enhancing reliability.
- Developed a metrics API to monitor services, ensuring SLO adherence and proactive resolution.

Projects

Workout Analysis App • Swift, Tensorflow, YoloV8, Python, Flask

- Led development of WorkoutPal, an app using YoloV8 for workout feedback.
- Designed an end-to-end ML pipeline for SwiftUI app, hosting API on AWS.

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

- Led development of an AI task management platform for mid-to-large companies.
- Secured 2nd place and \$5,000 funding at the 2021 CUCAI for product innovation.

Technical Skills

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

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

Concepts: Agile Methodology, Cloud Computing, User Interfaces, Distributed Systems, Data Engineering, Data Science, Artificial Intelligence, Machine Learning