

# Andy Craig

☎ 647-808-9481 ✉ andycraig200@gmail.com 🌐 <https://www.linkedin.com/in/andycraig200> 🐙 <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 robust, user-friendly solutions.
- Optimize the codebase for high performance, scalability, and reliability through code reviews and refactoring.
- Collaborate with product managers and designers to implement features that streamline estate management and enhance user experience.

### 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 and business web applications (React Native, Laravel PHP, Vue.js, PostgreSQL).
- Led full-stack development of a production-ready platform, implementing QR code point collection, rewards management, 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 within the Ecobee ecosystem, including ETL jobs and ML pipelines.
- Engineered an evaluation pipeline for a computer vision model, optimizing performance.
- Implemented a Kubeflow pipeline for smoke/CO alarm detection, enhancing reliability.
- Developed a metrics API to monitor services, ensuring adherence to SLOs.

## Projects

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

- Led development of WorkoutPal, a workout analysis app using YoloV8 for real-time feedback.
- Designed an end-to-end ML pipeline serving model inference to a SwiftUI app via AWS API.

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

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

## Technical Skills

**Languages:** Python, PHP, JavaScript, SQL, Swift, Java, C++, C

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

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