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 scalable solutions.
- Maintain and optimize the codebase, ensuring high performance and reliability through regular code reviews and refactoring.
- Collaborate with cross-functional teams to implement functionalities that streamline estate management and enhance user experience.
- Utilize Git and Jira to coordinate development efforts and ensure timely delivery of project milestones.

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 React Native, Laravel, and PostgreSQL.
- Led full-stack development of a scalable platform, implementing core features like QR code point collection and CI/CD pipelines.
- Successfully exited the company for $20,000 after 19 months, validating 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 (Apache Beam) and ML pipelines (Kubeflow).
- Engineered an end-to-end evaluation pipeline for a computer vision model, optimizing performance and accuracy.
- Implemented a Kubeflow pipeline for smoke/CO alarm detection, enhancing deployment and system reliability.
- Developed a custom metrics API to monitor services, ensuring adherence to SLOs and enabling proactive issue resolution.

Projects

Workout Analysis App • *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 for 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 accelerator, led the development of an AI-driven task management platform for enterprises.
- Secured 2nd place and $5,000 funding at the 2021 Canadian Undergraduate Conference on AI (CUCAI), highlighting 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