

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, utilizing a Laravel PHP backend and modern Vue.js frontend to deliver robust and user-friendly web applications.
- Maintain and optimize the existing codebase, ensuring high performance, scalability, and reliability of the application through regular code reviews and implementation of best practices in testing.
- Collaborate with cross-functional teams, including product managers and designers, to implement new functionalities that streamline estate management processes and enhance user experience.
- Utilize version control systems (Git) and agile project management tools (Jira) to coordinate development efforts and ensure timely delivery of project milestones.

Pursuit Labs

August 2020 – April 2022

Co-Founder and Lead Software Engineer

Kingston, Ontario

- Co-founder and lead software engineer at Pursuit Labs, specializing in AI-powered talent management solutions for mid-to-large-scale companies seeking to optimize task allocation systems through full-stack web development.
- Oversaw all technical components of the product, including the development of robust backend services and full product feature specifications, as well as UI/UX models using modern frameworks.
- Achieved 2nd place and secured \$5,000 funding at the 2021 Canadian Undergraduate Conference on AI (CUCAI), showcasing early-stage success and product innovation in a collaborative environment.

IHS Markit

May 2021 – September 2021

Strategic Alliances Intern

Raleigh, VA

- Leveraged programming skills in Python to streamline input data processing and eliminate manual processes, enhancing overall efficiency.
- Utilized Power Automate to automate email content extraction and Excel population, reducing new deal profiling time by approximately 10 minutes per deal.
- Developed Python scripts to automate the processing of redundant records, resulting in a time-saving of approximately 30 hours over 3,000 entries, optimizing data management.

Projects

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

- \$Led the development of WorkoutPal, a workout analysis app utilizing YoloV8 pose estimation and computer vision to provide users with feedback on their workouts, including repetition analysis, caloric estimation, and form feedback.
- \$Designed and developed a robust end-to-end ML pipeline that serves model inference to a SwiftUI iOS application, leveraging AWS to host the API and ensuring scalability and performance.

Cactus: Loyalty Rewards App • React Native, Laravel PHP, Expo, CI/CD

- \$Co-founded a customer loyalty rewards app for small to medium-sized businesses lacking resources to develop their own digital loyalty programs.
- \$Designed and developed a full-stack, production-ready application using Laravel PHP for the backend and React Native for the mobile apps, implementing CI/CD practices for efficient deployment.

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