

# Andrew Durnford

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## EDUCATION

### University of Western Ontario

BSc. Computer Science & Ivey HBA, Western Scholarship of Distinction

Sept. 2023 – Present

London, ON

- Relevant coursework: CS2210: Data Structures and Algorithms in Java, CS2211: Software Tools and System Programming (Unix & C), MATH1600: Linear Algebra I, CS2212: Software Engineering

## TECHNICAL SKILLS

Languages: JavaScript, Python, SQL, HTML, CSS

Technologies: TypeScript, NodeJS, React, PostgreSQL, Redis, Docker, Git, Pandas, TailwindCSS, Unix, Azure

## EXPERIENCE

### PointClickCare

May 2025 – Aug. 2025

Toronto, ON

Co-op, Platform Engineering | TypeScript, React, Backstage, Windmill, Azure

- Worked within an **agile scrum team** to design, develop, and refine **Backstage & Windmill** automations
- Implemented components with **React & TypeScript** and built corresponding backend services to enhance functionality
- Enhanced developer experience and velocity, streamlining service onboarding & enabling teams to spin up projects faster
- Integrated user identity with LLM agent workflows, improving security and access control for enterprise deployments

### Tech for Social Impact

Sept. 2025 – Present

Project Manager / Software Engineer | Python, Pandas, FastAPI, SQL Server

London, ON

- Leading Financial Revenue Framework modernization for Plan International, a non-profit serving over **80 countries**
- Managing cross-functional team of **3 developers** through project lifecycle, conducting team meetings and client syncs
- Architecting database-driven solution to refactor legacy code, improving maintainability for expense processing
- Consulting with non-profit stakeholders to translate business requirements into tech specs and coordinate software delivery

### Tenacity Labs

Apr. 2024 – May 2025

Full-Stack Engineer | Python, Django, React, TypeScript | Repository: [TenacityLabs](#)

Remote

- Developed a **Google Chrome extension** for comprehensive tracking of Instagram metrics (followers and unfollowers)
- Grew organically to over **2000 weekly users** and reached **10000+ downloads** in **over 100 countries**
- Lead backend database development using **PostgreSQL & Django** and contributed to **Next.js** frontend
- Collaborated closely with cross-functional teams of designers and engineers to streamline the development process

## PROJECTS

### Valorant ML Match Predictor

[andrewhdurnford/valpred](#)

- Collected, cleaned, and processed **36000+** matches with **Beautiful Soup** and **Pandas** to enable efficient data analysis.
- Built a **Gradient Boosting Classifier** with SkLearn to predict match outcomes, leveraging advanced ML techniques
- Optimized model with hyperparameter tuning and an Elo rating system, achieving a prediction **accuracy of 70%**

### Sunflower Capital Landing Page

[andrewhdurnford/sunflower-nextjs](#)

- Built a responsive and visually engaging landing page leveraging **modern frontend frameworks** and technologies
- Integrated custom animations with **Glide.js** and **full-page scroll** effects to create a smooth, immersive user experience
- Worked closely with designers to ensure consistency with brand identity, aesthetics, and user-centered design

### Retrospect Mobile App

[TenacityLabs/retrospect-frontend](#)

- Developed a mobile app in Swift, emphasizing an intuitive user experience with smooth navigation and a clean design
- Integrated **Core Data** for efficient local data storage and **Firebase** for real-time data sync, user auth, and analytics
- Built a responsive and engaging interface using **SwiftUI** and **UIKit**, ensuring a seamless experience across all devices

## PERSONAL INTERESTS & HOBBIES

- Downhill Skiing & Swimming (Competed Provincially), Fitness, Reading, Basketball, Sailing, Triathlon, Frisbee