Andrew Durnford

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EDUCATION

University of Western Ontario — Sept. 2023 – Present
BSc. Computer Science & Ivey HBA, Western Scholarship of Distinction — *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
Co-op, Platform Engineering | TypeScript, React, Backstage, Windmill, Azure — *Toronto, ON*
- 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
Lead Software Engineer | SQL Server, Typescript, React, Python, Azure — *London, ON*
- Lead architectural overhaul of FRF reconciliation system to webapp with SQL configuration tables for zero-code updates
- Built multi-currency pipeline processing 2 systems (SAP/GP) across 4+ revenue streams with automated allocation
- Architected secure Azure solution (Python/SQL) implementing encryption, authentication, and RBAC for 3 user roles

Tenacity Labs — Apr. 2024 – May 2025
Full-Stack Engineer | Python, Django, React, TypeSript | 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 | *Python, Beautiful Soup 4, Pandas, Scikit-learn* — 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 | *Next, HTML, CSS, TailwindCSS, TypeScript* — 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 | *Swift, SwiftUI, UIKit, Core Data, Firebase* — 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