

DUNCAN FINLAYSON

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EDUCATION

University of Western Ontario

London, Ontario

Bachelor of Science - Specialization in Computer Science

Expected Graduation: Apr. 2026

- Courses: Databases, Operating Systems, Computer Architecture, Data Structures and Algorithms, Intro. to Software Engineering, Intro. to Artificial Intelligence

EXPERIENCE

Team Member

July 2019 – Present

Tim Hortons

Kemptville - London

- Processed transactions with **98%** accuracy, ensuring a seamless checkout experience and **reducing** payment discrepancies.
- Delivered exceptional customer service in a **high-volume, fast-paced environment**, assisting an average of **100+** customers per shift, leading to higher **customer retention and satisfaction**.
- Built **strong customer relationships** by engaging in friendly interactions, contributing to a **20%** increase in repeat customers over time.
- Restocked **50+** station supplies and prepped beverage containers ahead of peak hours, **reducing downtime** and **improving workflow efficiency**.
- Enhanced **time management** and **customer communication skills**, reducing service delays by **30%** and improving overall team efficiency.
- Maintained a **100%** attendance record, ensuring **reliable coverage** and **consistency** during high-demand shifts.

PROJECTS

DayTrader's Diary | *Java, Jira, Confluence, Bitbucket*

Apr. 2024

- Developed an educational stock market simulation game using **Java**, improving financial literacy for users by simulating real-world trading scenarios, with **80% of testers** reporting a better understanding of market strategies.
- Optimized project workflow and team collaboration by integrating **Jira, Bitbucket**, and **Confluence** for scheduling, documentation, and code reviews, **reducing development bottlenecks by 30%**.
- Implemented a developer/test mode, **cutting debugging time by 40%** and improving overall code stability.
- Led the game's feature design, ensuring alignment with user needs and **increasing user retention by 20%**.

Blockchain Fund Manager | *Hack Western Winner, React.js, Rust*

December 2024

- Designed and built Go Fund Us, a decentralized fund management platform using **React.js**, increasing user engagement by **50%** and reducing on boarding time by **40%**.
- Engineered **Rust-based** smart contracts to automate fund management, **eliminating manual processing errors** and **enhancing security**.
- Created a scalable **DAO-like** structure for fund management, ensuring **full transparency** and **easy access** for users.
- **Awarded "Best Use of Tempo Labs"** at Hack Western for innovative blockchain integration.

Personal Portfolio | *NextJS, React.js, TailwindCSS, Framer-Motion*

December 2024

- Built a fully responsive, high-performance portfolio using **Next.js**, improving page load speeds by **50%**.
- Implemented **Framer Motion** for dynamic animations, increasing user engagement and improving visual appeal.
- Enhanced overall user experience through smooth navigation and optimized **UI design**, increasing time spent on the site by **30%**.
- Leveraged **Tailwind CSS** for modular design, reducing development time by **25%** and ensuring a consistent look across all pages.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML5/CSS, TypeScript, SQL

Developer Tools: GitHub, Jira, Confluence, BitBucket

Frameworks / Technologies: React, Node.js, Next.js, JUnit, Framer Motion, Tailwind CSS

Libraries: Pandas, Numpy, Matplotlib