

Landon Hadre

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EDUCATION

University of Windsor

Bachelor of Computer Science with Honours of Applied Computing

Windsor, ON

Sep. 2022 – Apr 2026

TECHNICAL SKILLS

Languages: Javascript/Typescript, Python, Java, C, C++, SQL, PHP, HTML, CSS

Frameworks & Libraries: React, React Native, Next.js, Node.js, Bootstrap, Tailwind CSS, Pandas, Pytorch, Flask

Tools: AWS, GCP, Git, PostgreSQL, MongoDB, Docker, Unity

PROJECTS

Nest | *React Native, Typescript, Python*

Feb 2024 - Feb 2024

- Achieved **3rd place** in a WinHacks 2024
- Developed a **React native** mobile app utilizing **Postgres** and external image **recognition APIs**
- Processed images of birds with over **95%** accuracy using BirdV2 model from **Roboflow**
- Developed a dynamic bird list feature that automatically updates, enhancing user experience and species tracking

DevDesk | *React, Express.js, PostgreSQL, WebRTC, WebSockets*

Sep 2024 – Present

- Leading the development of a virtual co-working platform with **real-time collaboration** features
- Developing features to allow users to import LeetCode questions directly into interview rooms
- Building an intuitive dashboard with **React** providing seamless user experience
- Implementing room management, user authentication, and session handling with **Expresss** and **PostgreSQL**

Blackjack AI | *Python, Pandas, Pytorch*

Jan 2024 – Apr 2024

- Developed a Blackjack simulation bot with Python using **Q-learning**
- Implemented **epsilon-greedy** policy for dynamic action selection, increasing long-term rewards by **20%**
- Designed **3** AI versions, running over **1 million** simulations to analyze outcomes

Quiet Quest | *React, Javascript, PHP, PostgreSQL*

Mar 2024 – Apr 2024

- Designed and developed a responsive job search website with a user-friendly interface using **React**
- Implemented a database using **Postgres** to manage job listings and user data
- Integrated advanced search and filtering capabilities using **Javascript**

EXPERIENCE

John Simpson Odette Student Investment Fund

Nov 2024 – Present

Junior Software Developer

Windsor, ON

- Migrating the organization's website from Wix to **React**, modernizing the interface and improving performance
- Creating team-specific dashboards, enhancing internal engagement through tailored content
- Developed a **React** frontend with a graph to visualize risk and return trade-offs based on ticket weights
- Integrated **API** endpoints with the frontend, streamlining dynamic content updates for the user portal
- Implemented a database structure to efficiently store data to ensure optimized query performance for data retrieval