LANDON HADRE

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EDUCATION

Windsor University   Sept. 2022 - Current

Bachelor of Computer Science 2026

SKILLS

TOOLS: AWS, GCP, Git, Postgres, MongoDB, Docker, Unity
LANGUAGES: Javascript/Typescript, Python, Java, PHP, C/C++, SQL
FRAMEWORKS & LIBRARIES: React, Next.js, Node.js, Bootstrap, Tailwind, Pandas, Pytorch

PROJECTS

Nest

- Developed 'Nest,' a **React native** mobile app to distinguish bird species, through utilizing **Postgres** and external image recognition API providers.
- Achieved 3rd place in a WinHacks 2024. A hackathon hosted by the University of Windsor hackathon committee with hundreds of participants.

Blackjack AI

- Developed a Blackjack simulation bot with **Python** using Q-learning to optimize strategies through Reinforcement Learning.
- Implemented an epsilon-greedy policy for action selection, dynamically adjusting strategies based on rewards from game outcomes.
- Created and tested three AI versions—one with card counting, one without card counting, and a default version—by simulating over 1 million game rounds to evaluate strategy effectiveness.

Quiet Quest

- 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, streamlining the job search process and tailoring it to individual needs.
- Integrated advanced search and filtering capabilities, allowing users to find jobs based on specific criteria.

EMPLOYMENT

DevDesk, *Co-Founder & Full-Stack Engineer*, Ontario   Sept. 2024 - Current

-Currently building a virtual co-working space platform for collaboration, coding, and interviews.
-Leading the front-end development using React and Tailwind CSS, while implementing the back end with JavaScript (Node.js) to ensure a scalable and efficient server-side architecture.
-Developing key features such as real-time collaboration, user management, and room creation with admin controls for enhanced user experience.
-Overseeing cloud deployment, continuous integration, and delivery pipelines to ensure smooth and reliable platform updates.
-Actively involved in shaping the business model, focusing on user acquisition, future monetization strategies, and aligning technical development with the company's long-term vision.