CONNOR LOGAN

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TECHNICAL SKILLS

Programming Languages: C/C++, SQL, JavaScript, TypeScript, Java, Python, HTML/CSS, VBA.
Frameworks and Tools: MERN Stack, Vue.js, React, React Native, NodeJS, Tailwind, Figma, Docker, TensorFlow.

WORK EXPERIENCE

Software Engineer, Pixyls, Toronto, ON   **01/2024 - Present**
- Spearheaded the design and implementation of Pixyls' backend system, streamlining product creation processes and reducing time-to-market by up to 90%.
- Successfully integrated Pixyls' backend system with third-party APIs and internal databases, optimising data flow and enhancing system stability, resulting in a 80% decrease in error rates and system downtime.
- Designed and optimised algorithms to automate complex tasks, such as image processing and data manipulation, leading to a significant enhancement in system performance and reliability.
- Implemented rigorous testing methodologies and continuous integration pipelines to maintain code quality and reliability, resulting in a 95% decrease in production bugs and errors.

Associate Software Engineer, Quantitative Research, Morningstar, Toronto, ON   **06/2023 - Present**
- Contributed Significantly to the transition from Quickbase to an in-house software solution, resulting in a cost savings of $250,000 annually for the company.
- Implemented robust ETL pipelines to AWS S3 buckets, optimising data collection for the anomaly detection program, a critical machine learning component of the team's project.
- Designed and implemented key database schemas critical to product functionality; leveraged these schemas to develop API calls (using the RESTful pattern), enhancing frontend components and overall product features.
- Successfully refactored the main routing system of the application, creating a dynamic and enduring solution that handles both authentication and entitlements-based routing.

Product Manager Intern, TD SYNNEX, Toronto, ON   **04/2022 - 08/2022**
- Managed vendor lines for a multitude of clients (Best Buy, Staples, Walmart).
- Increased multiple vendor portfolios by a minimum of 15% over two quarters.
- Used analysis to accurately suggest to vendors which products they should stock allowing vendors to maximise their revenue.
- Acted as primary product manager on numerous occasions.

PROJECTS

Google Maps for Laurier - Path Finding Application for Students
- Developed a user-friendly tool enabling students to find the most efficient routes to specific campus buildings, ensuring a seamless navigation experience.
- Implemented Dijkstra's algorithm for optimal route calculations, emphasising efficiency in pathfinding.
- Successfully launched and widely adopted by over 1000 incoming first-year students, underscoring the application's immediate impact on campus navigation.
- Integrated Machine Learning algorithms to intelligently identify and predict high-traffic locations. Leveraged this insight to strategically guide users around congested areas, minimising travel times.

SentimentHub - Web Application for Advanced Sentiment Analysis
- Engineered a custom-trained AI model boasting a robust 92% accuracy rate. The model performs sentiment analysis, calculating nuanced sentiment scores, and accurately identifies the industry context within the submitted URL
- Implemented web scraping mechanisms to gather supplementary data, enabling the derivation of a comprehensive 'public sentiment score.' This score is based on the industry associated with the URL and the specific company or main concept discussed, providing valuable insights into the broader sentiment landscape.

OTHER EXPERIENCE

Sigma Chi International Fraternity - Iota Mu Chapter
- Enduring Leadership certificate, Distance Leadership certificate, 2021 Krach Transformational Leaders Workshop, Quest for the Best: Quest for Resilience certificate.
- Vice President
  - Managed an entire executive board for the 2022-2023 school year.
  - Assisted the executive team in developing SMART goals as well as achieving them.
- Recruitment Chairman
  - Broke historical record with recruiting the largest group of potential new members (100+) since being founded in 1989 while simultaneously having the largest turnout out of any other organisation at Wilfrid Laurier University in 2021.

EDUCATION

Wilfrid Laurier University, Waterloo   **05/2023**
BSc Computer Science   Honours