Connor Haines

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EDUCATION

Western University | London, Ontario (Dean's List)

April 2023 completion

- Honours Specialization in Computer Science
- Minor in Software Engineering

TECHNICAL SKILLS

- Java
- JavaScript / React
- Python
- C / C++
- REST APIs / Microservices
- ETL Systems
- Spring Boot
- MySQL / Cassandra
- NoSQL (Mongo DB, Solr)
- Unit Testing / Mockito
- Agile Methodologies
- Apache Camel / Storm
- Apache Kafka
- Redis

WORK EXPERIENCE

Software Developer, J.D. Power | Autodata Solutions Division

June 2023 – Present

- Part of an agile team developing and maintaining 80+ enterprise-level APIs, high throughput ETL systems, and utilities in Java with a variety of Apache frameworks to support product teams
- Maintain ownership of the design and development of multiple essential systems

Software Development Intern (16 Months), J.D. Power | Autodata Solutions Division

May 2021 – Aug. 2022

- Maintained containerization and deployment for dozens of internal products and services using Kubernetes, Docker, Jenkins, Rancher, and Gitlab CI/CD pipelines
- Successfully trained and mentored new employees on our codebase, development practices, testing standards, and deployment processes

Digital Media Developer, Western Technology Services | London, Ontario

June 2020 – April 2021

- Developed interactive learning modules and course content for Western University's Learning Management System, OWL, which has over 30,000 daily users
- Gained valuable skills in Customer Service and Quality Assurance

PROJECTS

AR Visualization of Neurovascular Aneurysm | VASST Lab at Robarts Research Institute

Sep. 2022 – Mar. 2023

- Developed an augmented reality (AR) platform to visualize 3D medical imaging on multiple devices sharing a local coordinate system and synchronized interactions
- Designed primarily for the Microsoft HoloLens 2 AR headset using Mixed Reality Toolkit (MRTK), Azure Spatial Anchors, and Photon Unity Networking (PUN)

Internal Data Tracing Tool | J.D. Power

Jan. 2022 – Aug. 2022

- Led design and development of a full stack data tracing tool used by product and engineering teams across internal services, improving investigation time by 200%
- Developed a UI, REST API, and microservice which leveraged Apache Kafka to interface with multiple Apache Storm ETL processors via a custom library

Checkable | *Checkable.ca*

June 2022

- Created a productivity focused full stack web app used by the Ivey HBA Association for dynamic collaboration on shareable checklists
- Leveraged the MERN stack to develop a REST API back end and intuitive front end optimized for mobile and desktop use

ACHIEVEMENTS / INTERESTS

- PADI Open Water Diver Certification (2023)
- Under Armour Spring Run-Off (2020) — 8 km
- Fanshawe Dragon Boat Festival (2019 Cancer Fundraiser)
- Marathon-by-the-Sea, NB (2015) — 5 km
- Kid's Day Camp Volunteer (2013 – 2018)
- Photography, Scuba Diving, Snowboarding, Golf