

Mohammad Usman

BCS[H] – Bachelor of Computer Science Honors



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WORK EXPERIENCE

Software Developer Co-op – Canadian Tire Corporation

May – December 2019, 8 Month Internship

Calgary, Alberta

- Developed dashboards used by upper management to track and display real time data and metrics during promotional events.
 - Eliminated data latency issues by switching the data stream to the current year, allowing teams to react to trends and issues faster and with more accuracy.
- Utilized NewRelic to create refined and easy to use interface. Collaborated with the NewRelic team aiding them in the production of NewRelic 2.
 - Tested the new software provided by NewRelic and provided feedback on improvements that can be made. Also notified the team on where the software excels.
 - Worked in collaboration with the NewRelic team to debug pre-production software that was provided, ensuring it reached a more stable version before release.
- Provided proof of concept on automating tickets for cost reduction analysis.
- Evolved and expanded our team's on-boarding process, reducing the transition period of new team members and increasing their efficiency.
- Worked in an Agile development work environment
 - Performed code reviews to ensure all company's standards were met.
 - Participated in Pair Programming to help solve more complex problems.

Software Developer – Papp Plastics & Distributing Ltd.

May– August 2018, 4 Months

Windsor, ON

- Developed scheduling software for high valued industrial machines.
 - Accounted for downtime that would occur while the press was being changed.
 - Dynamically adapted scheduling with regards to work orders, work delays/completion and material availability.
 - Automatically set Civic/National holidays as off days to prevent any scheduling errors that may occur.
- Completed software updates on company computers.

APPLIED PROJECTS

Card Collection Discord Bot

- Chat based card-collection game implemented in Python using Amazon Web Services

Path Finding Demonstration Software

- Wrote python software that allows user to select from multiple pre-implemented pathfinding algorithms to find the optimal path between two nodes

EDUCATION

BCS[H] – Honors Computer Science– University of Windsor

Graduated: December 2022

Windsor, ON

- Specialization in Game Development

PROGRAMMING SKILLS

Languages:

- Java
- C#
- C++
- C
- Python
- JavaScript/TypeScript

Operating Systems:

- Linux, Windows, MacOS

Development/DevOps Tools:

- Git and GitHub
- Unity
- VS Code
- Jira
- New Relic
- Sumo Logic
- PostgreSQL / NoSQL
- MongoDB / Databases

VOLUNTEER EXPERIENCE

Mentor - STEM Hacks McMaster

- Taught students the basics of coding
- Wrote code in the C++ Arduino IDE to simulate a car driving

Philanthropy Chair Sigma Chi Kappa Mu Chapter

- Raised money for Huntsmen Cancer Research
- Acquired money for The Trevor Project

Horizons Leadership Summit

- Banff 2021
- Worked in a team to complete challenges/events each teaching a different aspect of being a leader.

Optimist Club

- Raised money for the Salvation Army Angel Tree Program.
- Worked with TriStar to hold an after-school basketball event.
- Worked with the Detroit Red Wings to promote the Angel Tree and the Optimist Club.