Mohammad Usman

BCS[H] – Bachelor of Computer Science Honors

(519) 996-3418
usman.nved@gmail.com
https://bit.ly/3oVRi7F
github.com/ushmayne

WORK EXPERIENCE

Production and Maintenance Supervisor – Stellantis

December 2024 – Current — Windsor, ON

- Automated data tracking to improve efficiency and reduce downtime by 15%.
- Reduced cycle times by 15% by optimizing movement patterns and eliminating excess time buffers, reducing downtime, and boosting efficiency.
- Conducted root cause analysis to identify source of cars and parts damage, leading to a 10% reduction in scrap.
- Utilized Python and SQL to analyze machine performance, detect inefficiencies, and identify cost-saving opportunities.
- Collaborated with engineers to trouble shoot automated systems and introduce process improvements

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.
  → Collaborated with the executive team to determine dashboard requirements for Cyber Week, developed and produced these dashboards, enabling trend tracking and timely updates throughout the week.
- Enhanced system monitoring and performance insights by utilizing NewRelic to create a refined and user-friendly interface.
- Collaborated with the NewRelic team, actively contributing to the development and stabilization of NewRelic 2 throughout its production cycle.
  → Tested NewRelic software, shared detailed feedback on areas for improvement, and communicated key strengths to the NewRelic team.
  → Collaborated with the NewRelic to review code, identify, and help fix pre-release issues, and communicate finding to support a more stable software launch.
- 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.

APPLIED PROJECTS

Portfolio Website

- A website built using HTML and CSS to display projects that are being worked on.

Path Finding Visualizer 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

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