Aman Singh

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EXPERIENCE

MAPLE LEAF FOODS | Automation and Control Systems Intern
June 2018 - August 2018 | Hamilton, ON

- Worked to troubleshoot PLCs, HMIs, VFDs,and network issues with machinery and equipment in the facility such as FANUC Robots, boilers, VAT washers, and conveyor systems
- Worked to troubleshoot pattern and visual recognition issues with with packaging and pick up robotic arms using RS Logix 5000 and HMI interfaces
- Assisted automation project to educate electricians on how to troubleshoot PLC's and drivers using RS Logix 5000 software

TEAM 2056 FIRST ROBOTICS TEAM | Team Member
October 2016 – June 2018 | Hamilton, ON

- Participated on a FIRST FRC Robotics Team, which participates in sport-based competitions
- Gained experience with the process of designing of a robot and using various equipment during the build season
- Played key role as a member of the strategy and scouting team, collecting both quantitative and qualitative data on robots
- Assisted with outreach programs, with a focus on youth in the community, such as running VEX IQ workshops at elementary schools and libraries

WALMART CANADA | Store Standards Associate
June 2017 – September 2017 | Hamilton, ON

- Collected and returned shopping carts to storage location while following safety procedures
- Ensure store presentation is of a high standard by maintaining cleanliness
- Provided customer assistance by helping customers locate items and move items to and from their vehicles

HAMILTON PUBLIC LIBRARY | Volunteer
June 2014 - August 2017 | Hamilton, ON

- Read books with youth in order to help them gain confidence in their reading abilities
- Helped organize activities for youth such as arts and crafts activites
- Read with non-native English speaking youth to improve their English

PROJECTS

NBA FINALS 2018 TWITTER ANALYSIS
| Python, Javascript

- Collected over 100 000 tweets and analyzed tweets using Python
- Used RegEx to tokenize tweets and collect frequent terms
- Used NumPy, Panda, and Vincent to visualize data
- Performed sentimental analysis by creating collections of positive and negative terms

AEONS OF IMLAS
| Python

- Text-based RPG game with turn-based combat mechanics
- Created interface for player to view map and select actions in the game

SKILLS

PROGRAMMING
Languages
Python • C++ • CSS • HTML • JavaScript • MATLAB
Technologies
Git • Bash • RSLogix 5000 • LaTeX

LINKS

AmanPal-Singh
Aman-Pal-Singh
@amansingh_26

EDUCATION

UNIVERSITY OF WATERLOO
Candidate for Bachelor of Computer Science (BCS)
Expected June 2023

- President's Scholarship Of Distinction
- Faculty of Math Entrance Scholarship
- Nortel Institute Scholarship

AWARDS

- Governor General Academic Medal (Bronze)
- DECA Provincials Independent Business Plan (EIB) Winner
- Taylor Steel Award for Proficiency in Mathematics

ACTIVITIES

DECA
2015-2018

- Won 2018 Provincials Independent Business Plan Event
- Won 2016 Hamilton Regionals Principles of Hospitality and Tourism Event
- Recruited members and represented DECA chapter at school club fair

REACH FOR THE TOP
2015-2018

- Organized and oversaw practice sessions
- Placed 3rd in Hamilton Regionals and made it to Ontario Provincials

INTERESTS

- Basketball, Soccer, Cycling, Cars