

Aman Singh

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EXPERIENCE

MAPLE LEAF FOODS | AUTOMATION AND CONTROL SYSTEMS INTERN

June 2018 - August 2018 | Hamilton, ON

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

TEAM 2056 FIRST ROBOTICS TEAM | TEAM MEMBER

October 2016 - June 2018 | Hamilton, ON

- Participated on a FRC Robotics Team, which participates in sport-based game competition each year
- 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
- 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 to help them gain confidence in their reading abilities
- Helped organize activities for youth such as arts and crafts activities

PROJECTS

NBA FINALS 2018 TWITTER ANALYSIS

| Python, Javascript

- Collected over 100 000 tweets and analyzed tweets using Python using the created JSON file
- Utilized RegEx to tokenize tweets and collect frequent terms
- Used NumPy, Panda, and Vincent libraries to analyze terms and then produce visualizations of the data

SPORTS SCOREBOARD WEBSCRAPER

| Python

- Developed a script using Selenium library to web scrape scoreboards for scores, match-up predictors, injury reports, and box scores
- Parsed source code and retrieved information using BeautifulSoup library

SPOTIFY REACT APP

| React, CSS, JavaScript

- Created a web app that displays a user's most played tracks, albums, and artists using the Spotify API and React

SKILLS

PROGRAMMING

Languages

Python • C • C++ • CSS • HTML

• JavaScript

Technologies and Frameworks

Git • Bash • RSLogix 5000 • Bootstrap •

Pandas • Selenium • NumPy

EDUCATION

UNIVERSITY OF WATERLOO

CANDIDATE FOR BACHELOR OF

COMPUTER SCIENCE (BCS)

2018-Present

- Cumulative GPA: 3.9
- Faculty of Math Entrance Scholarship
- Nortel Institute Scholarship
- Herbert J Schneider Scholarship

AWARDS

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

ACTIVITIES

UWAFI DESIGN TEAM

2018-Present

- Member of the CAV (software) subteam
- Created a driving scenario using MATLAB

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, Cars, Music, Hiking