



JOCELYNE MURPHY

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EDUCATION & AWARDS

Grade 12, Sir John A MacDonald S.S.

97% Final Average
2019-2020

TD Scholarship for Community Leadership

Valued at \$70,000, the scholarship recognizes 20 students who have demonstrated a consistent and outstanding dedication to solving a community problem or making their community a better place

University of Waterloo Engineering Faculty Entrance Scholarship

Approximately 65 scholarships are awarded to engineering students on the basis of secondary school performance and extensive involvement in extracurricular activities

University of Waterloo President's Scholarship of Distinction

Academic Awards, Sir John A MacDonald

Grade 12 Computer Science, Grade 11 Computer Engineering, Grade 10 History, Grade 9 Science

PROJECT BASED LEARNING

Computer Technology & Computer Science Projects

- Using schematics, designed and constructed circuit boards and physical components for a variety of projects including LED Patterning Projects and robots that can track lines, navigate mazes, extinguish flames, and fight in a ring.
- Completed various animation assignments and developed a functioning computer game in Python

COVID-19 Charity Livestream

- Connected 4 Waterloo-Region Charities to speak to their experiences during COVID-19 and how viewers could support them through the pandemic
- Over 70 people watched the Livestream, and over \$1000 was raised in donations

SVP Teens Kickoff Bottle Drive

- Organized an organization-wide competitive bottle drive
- Developed a system for online submission of funds, allowing for the efficient collection of money from several members and visible metrics to determine the progress of each team
- Enabled 8 teams of 8 to collectively raise more than \$1000 over the course of one month

WORK & VOLUNTEER EXPERIENCE

Student Software Developer at Auvik Networks

July 2019 - August

2019

- Tackled several challenging software problems on a team of four high-school students
- Localization of the Auvik Product
 - Designed a process to translate and render the entire Auvik product in over 20 languages, making it possible for Auvik to enter new markets in the future.
 - Technologies used: Python, GitLab, Amazon Web Services (Translation), Javascript
- Business Intelligence Tools
 - Developed queries to gain insight on how Auvik customers use the Auvik product
 - Built interactive dashboards that presented the data in a visually appealing and useful way, allowing other Auvik employees to use the data to analyse customer behaviour and improve customer support.
 - Technologies used: Looker, SQL, Python, Javascript

Volunteer - Adventure4Change

July 2019, July

2020

- Adventure4Change addresses issues related to poverty and inequity for families and youth.
- Volunteered as a soccer coach, teaching drills and games to approximately 25 children (aged 3-8) from low-income families.
- Facilitated a summer camp that engaged youth aged 3-15 in active, creative, and educational activities

Chair and Volunteer at non-profit Social Venture Partners Teens

September 2015- July

2020

- Recruited more than 85 teens to join SVP Teens in July 2019
- Inspired local youth to engage in philanthropy and volunteering by leading the organization and chairing bi-weekly meetings
- Applied for and obtained a \$20,000 grant from the Kitchener-Waterloo Community Foundation to develop a curriculum and ensure the sustainability of the program through the RBC Future Launch Challenge
- Developed a comprehensive website for the program
- Built the organizational structure and governance of the group of youth volunteers
- Organized and executed events including a sock drive at a basketball game, several bottle drives, a car wash, and a clothing drive which raised over 1000 winter clothes for new Canadian refugees

- Screened annual grant applications from more than 15 local charities and selected one charity each year to receive the funds raised by SVP Teens (more than \$20,000 has been awarded to date to causes including welcoming new refugees to Canada, the wellbeing of low-income families and youth, women's health, restorative justice programs, and supporting children through the criminal justice system)

LEADERSHIP EXPERIENCE & EXTRACURRICULARS

SHAD Fellow

July 2018 – Present

- Earned the Shad Fellow designation after being accepted into the award-winning enrichment and entrepreneurship program, SHAD Canada
- As a SHAD ambassador, encouraged additional students from SJAM to apply to the summer 2019 program, increasing the number of applicants from 8 to 25 and placing SJAM in the top 10 schools in terms of number of applicants.

Leadership Council Executive – *Sir John A Macdonald Secondary School, Centennial Public School* 2016, 2020

- Selected to organize, promote, and run Spirit Days and school events

Alternate Captain – *Kitchener Lady Rangers Midget A Hockey Team*

August 2017 – April

2020

- Named Alternate Captain as a second and third year player
- Responsible for motivating the team, setting a good example, and communicating with coaches

First Robotics Team Member – *2702 Rebels*

January – June

2019

- Participated in the 2019 kickoff in early January
- Strategized and helped to design a robot to succeed in the 2019 challenge
- Learned skills including SolidWorks (CAD), and robot programming from more experienced students and adult mentors
- Recruited new members through presentations
- Qualified to the 2019 First Robotics World Championships as a member of the 2702 Rebels

Four-time Provincial Medalist – *DECA Ontario Business Competition*

February 2018, 2019

2019:

- Took on the role of a sales representative at a cybersecurity firm
- Extensively researched and interviewed professionals about the cybersecurity needs of small businesses
- Designed a sales pitch addressing the needs of a family-owned pharmaceutical retail store aiming to create an online presence and protect customer data
- Placed top 15 in Multiple Choice Exam and top 10 Overall in PSE event

2018:

- Took on the role of a sales representative at an existing Virtual Reality Firm
- Developed and presented a comprehensive sales pitch outlining the advantages of using VR training programs to educate the employees of a major oil company
- Placed top 10 in Marketing Multiple Choice Exam, Written Component (Sales Pitch), and Overall in event

Anti-Bullying Advocate – *Canadian Red Cross' Beyond the Hurt Program*

September 2017 – June 2019

- Nominated by teachers to be one of approximately 20 student advocates at SJAM
- Developed presentations to educate grade 9 students and students from feeder schools about bullying
- Presented to several classes about the signs, risks, and consequences of bullying

Student Peer Mentor – *Sir John A Macdonald Secondary School, Centennial Public School*

2016 – 2020

- Selected to help future and current students adjust and connect to the school environment
- Ran Orientation days for future students
- Visited Classrooms to encourage participation in school events and build relationships between classmates
- One on one peer mentored an ESL student who had been having a hard time connecting with the centennial community (once a week for the 2015-2016 school year)

Recap Video Editing Team Member - *Canadian Student Leadership Conference*

September 2017

- Filmed large events, edited with Adobe Premiere, presented daily videos to students from across Canada

