

ADWITY SHARMA
343 Twinflower way, Ottawa
[https://adwity.github.io/adwity/
sharma78@mcmaster.ca](https://adwity.github.io/adwity/sharma78@mcmaster.ca)
(647) 774-9223

Education

Bachelor of Software Engineering McMaster University, Hamilton, ON	Completed
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Relevant Coursework Completed: Algorithm and Data Structure, Databases, Principles of Programming Java, Concurrency and state models, Software testing.

Academic projects:

Six Men Morris: (4-month project)

- Developed a six men Morris game using JFrame in Java in a team of three members.

Ping Pong game: (4-month project)

- Redeveloped a classic ping pong game
(<https://gitlab.cas.mcmaster.ca/Group3/FaultInOurPong>)
- Was rewarded an A grade for the innovative twists such as various speed levels and a new game with one extra ball mode, where the user had to avoid hitting one of the balls.

Alfred Automated: (8-month project)

- Developed a drink delivery robot for final year capstone project that received instructions from a website to navigate within an office layout and deliver drinks.
- Successfully created a communication system between the computer and the robot to send location details and receive navigation instructions using a Bluetooth module.

Coding Experience

- Winner of Climate Change Challenge held at York University (June 2017).
 - Worked in a group of 5 people to process large weather related data to determine weather patterns and changes in climate.
 - Created a user-friendly interface to process requests to view data for specific periods using NetBeans IDE.
- Phase One hackathon (January 2017).
 - Worked in a group of three to create an application to detect early symptoms of ADHD.
 - used a Muse headset, that transfers brain wave frequency, to analyze the ratio of various brain waves and processed the real-time data using a Java application.

- Personal Website Design (2018)
 - Designed, developed, coded and published a personal website using Git and GitHub. (<https://adwity.github.io/adwity/>)
 - Gained increased understanding of implementing HTML5, CSS3 and JavaScript.

Technical skills and Programming Languages

- Proficient in Java, Python, HTML, CSS, SQL, JavaScript, Git, LaTeX, AutoCAD and Application design.
- Proficient in automated Testing and Manual Testing

Work Experience

May 2017 – August 2017

RGIS Inventory Services

- Auditing goods for various companies.
- Enhanced interpersonal and communication skills by working in groups of 5-20 people.

Extracurricular and Student Memberships

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| • Student Member , Professional Engineers Ontario | 2016 - 2018 |
| • Student Member , Ontario Society of Professional Engineers | 2016 – 2018 |
| • Member , Women in Engineering | 2015 – Present |
| • Member , McMaster guitar club | 2017 - 2018 |

REFERENCES AVAILABLE UPON REQUEST