

# MOHAMMAD BILAL

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## EDUCATION

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**McMaster University** | Engineering I with Co-op

*Sept. 2022 - Present*

- GPA: 12/12

## SKILLS

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- Java, Python, HTML/CSS, and JavaScript.
- Proficient with MS Office
- Experience with 3D CAD software Ex. AutoCAD
- Experience with Arduino and circuits
- Excellent written and verbal communication
- Effective time management skills
- Ability to work in a team and independently
- Solid foundation in programming and computer science

## EXPERIENCE

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**St. Marcellinus STEM Club** | President and Co-Founder

*Sept. 2021 – June 2022*

- Taught lessons and delivered presentations on various STEM related topics. Ex. Programming, circuits, etc.
- Worked with a team to market the club and gathered 100+ members.
- Organized and hosted our own mini hackathon.

**St. Marcellinus Peer Tutoring** | Tutor

*Sept. 2020 – June 2022*

- Tutored students one-on-one in a variety of subjects.
- Taught Python and Java.
- Helped with mathematics, chemistry, and physics.

## PROJECTS

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**CRASHED!** | JavaScript

- An educational car dodging game coded in JavaScript using p5.js.
- Object-oriented code design utilizing multilevel inheritance, polymorphism, and object overloading.

**Program to Facilitate Sterilization** | Python

- Python based program designed to control a robotic arm to aid in the sterilization of surgical tools.
- Used remote sensing and actuation to control the robotic arm.

**Frogger** | Java

- A graphical frogger game made using Java Swing.
- Object-oriented code design utilizing inheritance, polymorphism, and looping.

**Blackjack** | Java

- A graphical blackjack application made using Java Swing.
- Object-oriented code design utilizing inheritance and polymorphism.

## AWARDS

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**Governor General's Academic Medal** | Student with the highest average upon graduating from a secondary school.

**Principal's Award** | Awarded to the graduating student with the highest average in grade 12 courses.

**McMaster Award of Excellence** | Awarded to students entering their program in the top 10% of their faculty.

**Euclid School Champion** | Scored the highest mark on the University of Waterloo's Euclid math contest at my secondary school.