

Isaiah Gocool

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PROFILE

- I have developed exceptional teamwork, communication, and leadership skills from my experience working with my peers in group activities based around research and presentations.
- I am very skilled at working with Java, having written programs in the language for four years. I also have some experience with C, Bash, Python, Verilog and JavaScript.
- I also have outstanding time management skills as I am able to successfully balance my life between studying, my job, and extracurriculars or my personal life.
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TECHNICAL SKILLS AND EXPERIENCE

- Eight years of programming experience with Java.
- Other programming experience includes: Python, MySQL, Arduino, Verilog, JavaScript, TypeScript, and RISC-V.
- Created a plant watering system using Java and Arduino that would detect when to water the plant based on the moisture in the soil.
- Currently a PASS (Peer Assisted Study Sessions) Leader at York University for Calculus 1, where I host study sessions and guided practice problems to 60 students per week.
- Was an intern for four months at Human Endeavour, where I wrote various programs for them including an Arduino ESP-32 Indoor Positioning System, and helped assist seniors.
- Currently developing a satellite scheduling system called StarSync for a capstone project in collaboration with the Canadian Space Agency, which uses TypeScript and React.js for the frontend, and Python for the backend services.
- In a group of four, helped an auction platform called GoBidder using Java, TypeScript, React.js, Go, and GRPC.
- Was part of a group that created a library system in Java that allowed users to create an account, write reviews for books, add books to a database, and utilized Google Books' API.
- Created a Caesar Cipher program in Java to encrypt and decrypt text.
- Was a judge and peer mentor for YR Hacks hackathon in 2022, where I helped give students advice on their projects, answered their questions, and collaborated with other judges to choose the best projects.

EMPLOYABLE SKILLS

- Participated in UNHack 2021, where my team developed UNWind, a social media app designed for university students to discover more social activities on their campus.
- Led the development of the concept for a project called LeurreVPS for ENG 1102. My group and I got 100% on the project.
- Completed the Grade 9 EQAO where I scored 100% on all divisions and won the "Excellence in Academic Math" award twice.
- Volunteered at the special needs class in Michael Cranny E.S., where I had to troubleshoot technology problems, and assist the students with their Math problems.
- Volunteered at the Michael Cranny House's Seniors Bingo Night which required me to call out BINGO numbers and socialize with seniors.

WORK EXPERIENCE

- PASS (Peer Assisted Study Sessions) Leader for MATH 1013 (September 2024 - May 2025)
- IT Helper at Human Endeavour (May 2023 - August 2023)
- YRHacks competition judge and mentor (April 2022)

EDUCATION

B.Eng in Software Engineering Expected Graduation in 2025	York University	(Toronto, Ontario)
Honour's Student - 7.54/9 GPA 2021 - 2024	York University	(Toronto, Ontario)
York University Entrance Scholarship 2021 (\$2,500 value)	York University	(Toronto, Ontario)
Principal's Honour Roll - 90% 2018 - 2021	Maple High School	(Maple, Ontario)
Excellence in Mathematics Award 2018, 2021	Maple High School	(Maple, Ontario)
Calculus Award 2021	Maple High School	(Maple, Ontario)
Principal's Honour Roll - 90% 2018 - 2021	Maple High School	(Maple, Ontario)
Excellence in Mathematics Award 2018, 2021	Maple High School	(Maple, Ontario)
Calculus Award 2021	Maple High School	(Maple, Ontario)
World Issues Award 2021	Maple High School	(Maple, Ontario)
Ontario Secondary School Diploma 2021	Maple High School	(Maple, Ontario)

Related Courses: Advanced Object Oriented Programming, Computational Thinking, Renaissance Engineer 1 and 2, Introduction to Embedded Systems

Computer Operating Environments: Windows 11

Software: IntelliJ IDEA, Eclipse, MySQL, Arduino, Photoshop

REFERENCES

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