

Isham Ballal

isham.ballal@mail.utoronto.ca | 647-928-3201 | Brampton, ON, Canada

STATEMENT

Self-driven student with an interest towards many branches of software development and an aptitude for new technologies. Work exceptionally well in group projects, and always delivers the best quality of work. Highly adaptable to new environments and disciplines.

EDUCATION

UNIVERSITY OF TORONTO B.S IN COMPUTER SCIENCE, STATISTICS AND MATHEMATICS

Expected May 2023 | Mississauga, Ontario

Cumulative GPA: 3.45

LINKS

Website: isham-b.github.io

LinkedIn: [Isham Ballal](#)

Github:// [Isham Ballal](#)

COURSEWORK

Software Design,
Operating Systems,
Computer Organization,
Software Tools and Systems
Programming,
Intro. to Theory of Computation,
Intro. to Information Security,
Data Structures and Analysis (In Progress)

SKILLS

LANGUAGES

Java • Python • C • \LaTeX • R
HTML • CSS • SQL • C#
JavaScript

SOFTWARE

GitHub • IntelliJ • PyCharm
Visual Studio Code • Vim •
Nano • Photoshop •
Premiere Pro

TOOLS AND OPERATING SYSTEMS

Shell • GIT • GDB • Linux • Windows
• macOS

EXPERIENCE

UNIVERSITY OF TORONTO | Teacher's Assistant

January 2022 – Present | Mississauga, ON

- Facilitating group exercises and challenging students to apply presented material from class, in their personal projects.
- Instructing classes of CSC209 (Software Tools and Systems Programming) to second year students, under the direction and guidance of course instructors.

IMAGINE HACKATHON BY RYERSON UNIVERSITY | Winner

September 2019 | Brampton, ON

- Collaborated with team and successfully proposed "C.R.O.S. Bot" Learning Assistant idea to support students in understanding academic information efficiently.
- Spent 2 days coordinating with three team members and constructing a website using HTML and CSS technologies to showcase the novel concept.
- Awarded 1st place prize as a team for crafting a unique and relevant idea.

"GREEN WITH GRETA" CLIMATE CHANGE EVENT | Media Manager

May 2019 | St. Roch C.S.S. - Brampton, ON

- Helped raise awareness about the impact of climate change.
- Dedicated 15 hours in total towards weekly meetings, building marketing materials, and assisting at the day of the event to help raise awareness about the impact of climate change.
- Discussed relevant climate misunderstandings and concerns to inspire action amongst 400 students.

PROJECTS

SIMULATED DISTRIBUTION SYSTEM

- Used Java to develop a digital distribution system for video games that allows users to buy or sell access to games.
- Created custom databases using the Gson library and Observer design pattern to reliably store user and game information, reducing load times by 30%.
- Utilized Agile Methodologies, Git, and Scrum Meetings to work efficiently in a team of 4 developers.

PERSONAL WEBSITE

- Self-taught web technologies such as HTML, CSS, and JavaScript to create a personal website with a fluid and modern interface.
- Showcases personal achievements, hobbies, and projects.
- Viewed by over 50 unique visitors in 3+ different countries.

HYLEX BOT

- A Discord "Bot" developed in Python enabling quick access to popular media information.
- Used GraphQL API to retrieve data from multiple databases while presenting information in a clean embedded interface.
- Implemented asynchronously for responsiveness and minimal downtime in over 25 servers with 400+ members.

AWARDS

UNIVERSITY OF TORONTO SCHOLAR

- Awarded \$7500 by university for academic excellence in high school.

U OF T MISSISSAUGA PRINCIPAL'S ENTRANCE AWARD

- Four-year \$3000 scholarship awarded for achieving 97% high school average.