



Syed Nazif Ishrak

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EDUCATION

University of British Columbia
Bachelor of Science in Computer Science

Vancouver, BC
Sept. 2021 – Apr 2025

Sunnydale High School
CAIE O & A levels

Dhaka, Bangladesh
Aug. 2019 – May 2021

EXPERIENCE

Undergraduate Math Teaching Assistant
University of British Columbia

Sept 2022 – Present
Vancouver, BC

- Teach differential calculus concepts in discussion sections
- Assist professor in presenting lecture materials
- Give one on one assistance to students who need support with mathematical concepts

VP Technical
UBC Quantum Computing Club

Aug. 2021 – Present
Vancouver, BC

- Designed and maintained the club website
- Implemented a smart login system to manage restricted content for paid members.
- Wrote python script to automate newsletter emails to registered members.

PROJECTS

ISS Tracker | *Python, smtplib*

July 2022

- Wrote a python script that emails the user when the International Space Station is above them
- Used the Open Notify API to track the location of the ISS
- Used Sunset Sunrise API to retrieve the nighttime of the user's location

Snake and Pong Game | *Python, Turtle*

July 2022

- Simulated a Snake and Pong game using only Turtle module.
- Orchestrated each components using multiple turtle instances and performed domain analysis to catch edge cases
- Full GUI based application with all info displayed graphically
- Converted the .py file to .exe file to run on windows machine

Flash Card App | *Python, Tkinter, Pandas*

July 2022

- Created a graphical user interface language learning flash card app with python's Tkinter module
- Worked with csv files to display the user the words to learn
- Handled common errors and brainstormed the logic to hide the words that the user learnt already
- Implemented data persistence so that the user can continue from the place they left off.

Student Management System | *Java, JSON, Swing*

Jan 2022

- Modeled and developed a GUI student management system that manages a student's database with Java.
- Worked with csv files to display the user the words to learn
- Used object oriented design approach to implement the functionalities of the project
- Worked with JSON files to save and load the student database.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, HTML/CSS, Racket, EJS, SQL

Frameworks/Tools: React, Node.js, JUnit, WordPress

Developer Tools: Git, VS Code, PyCharm, IntelliJ, Eclipse

Libraries: Matplotlib, Numpy, Pandas, Swing, Bootstrap, jQuery, Smtplib, requests

AWARDS/ACHIEVEMENTS

Karen McKellin International Leader of Tomorrow 2021 Award: UBC International Full Ride Scholarship, 2021
Gold Medallist: Bangladesh National Economics Olympiad, 2020
Bronze Medallist: International Economics Olympiad, 2020
Champion: NASA Scientist for A Day, 2020
The Daily Star Award: Top achiever in O&A levels examination, 2019