

Basel Syed

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Education

Carleton University

Ottawa, Ontario

B.Eng in Computer Systems Engineering (Co-op)

September 2019 - Present

- Third year standing, 8.52/12 (B)
- Expected Graduation: May 2024
- **Relevant Course Work:** Object Oriented Software Development, Software Design Principals, Algorithms and Data Structures, Operating Systems

Availability

Available for 4-month work term, beginning in September 2022.

Skills

Languages: Python, Java, C, HTML, CSS, Visual Basic for Applications, SQL

Tools: Linux, IntelliJ, Power BI, Power Apps, Microsoft Office

Concepts: Object Oriented Programming, Software Design Patterns, Operating Systems, Computer Architecture

Work Experience

Computer Engineering Intern

January 2022 - Present

Ontario Power Generation Inc. | Bowmanville, Ontario

- Constructed a **Power App** for kiosks to increase peer coaching observations in the plant as part of a station-wide initiative; Increased peer coaching observations by 200%.
- Built a **Power BI** dashboard using data from **SQL Servers**, and SharePoint Lists to help analyze trends in safety incidents across the station and understand if goals made for station initiative were being reached.
- Developed scripts in **Python** and **Visual Basic for Applications** in **Microsoft Visio** to calculate the size of the maintenance department in organization charts for 2025 business proposals; Eliminated calculation time required to make changes to proposals.

Applied Projects

Virtual Shop

[View](#)

Java, Swing

Jan. 2021 – May 2021

- Wrote a program in **Java**, with knowledge of **Object-Oriented Programming** to create a simulated convenience store.
- Built an interactive GUI using **Swing** to allow user-friendly use of the store.
- Collaborated with a team member to evenly distribute responsibilities and ensure efficient delivery of milestones.
- Created **UML Class Diagrams** to document the current state of the project and follow the software development life cycle.

Image Editing Project

[View](#)

Python, Pillow

Nov. 2019 – Dec. 2019

- Implemented 3 image filters in **Python** to create a picture editing program.
- Designed a command line a command line interface to allow user interactions with the program.
- Procured a README file to document the functionality of the program
- Oversaw the development of the project in a team to ensure quality of deliverables.