





# ARKA ROY

 (604) 842 2724  
 arkaroy0999@gmail.com  
 github.com/RoyArka  
 RoyArka.github.io

---

## SKILLS

**Programming Languages:** C, C#, Java, Python, MySQL, RobotC.

**Web Development:** HTML, CSS, JavaScript.

**Databases:** Firebase Database, Microsoft SQL Server, SQLite, PostgreSQL.

**Technologies/Frameworks:** GitHub, NodeJS, Firebase, Phaser, Bootstrap, Django, Django Rest Framework.

**Software:** SQL Server Management Studio, Unity, RobotC.

**Agile Frameworks:** Scrum, Kanban.

## EDUCATION

**British Columbia Institute of Technology**  
Diploma in Computer Systems Technology  
January 2019 - Present

## PERSONAL PROJECTS

**OrigenAir Dashboard** May 2020 - July 2020

- Collaborated with 4 other students to create a dashboard web-app that visualizes and quantifies sensor data.
- Built with the Django and Django Rest framework.
- Was coded using HTML, CSS, JavaScript, and Python.
- Charts and Guages built with Chart.js and amChart libraries.
- Data stored on Postgress database.
- Deployed and hosted using DigitalOcean, Nginx, and Unicorn.
- Utilized Scrum agile development process.

**Ocean Defenders** July 2019 - May 2019

- Collaborated with 4 other students to create a WebGL game that helps raise awareness regarding the impacts of improper waste disposal through an interactive and fun tower-defense game about garbage and the ocean.
- Built using the Unity game engine; Coded using C#.
- Game scores were stored in Google Firebase Database.
- Website was coded using HTML, CSS, JavaScript.
- Utilized Scrum and Kanban agile development process.

**Produswap** September 2019 - April 2019

- Collaborated with 2 other students to create a web-app which acted as a tool for trading various local produce among a community.
- Website deployed on Google Firebase.
- Coded using HTML, CSS, JavaScript.
- Stores all data on Google Firebase Database. Utilized Scrum agile development process.