

# Arian Salehi Abari

[Portfolio](#) | [GitHub](#) | 416-573-2341 | arian99@my.yorku.ca

## EDUCATION

**Honors Bachelor of Science, Computer Science**, Lassonde School of Engineering, *York University*  
(GPA= **8.61** / 9) **Expected 2022**

### Awards:

- International Students Bursary awarded **twice** (Fall 2018 and Fall 2019)
- Identified as a high achieving student in the **top 15%** of Computer Science program

### Relevant Courses:

#### **Advanced Object-Oriented Programming in java, A+ (Fall 2019)**

- Implemented an API and tested it using JUnit Test and, analyzed the running time of (recursive) algorithms

#### **Programming for Mobile Computing, A+ (Winter 2019)**

- Gained computing skills such as reasoning about algorithms, tracing programs, test-driven development, and diagnosing faults.

## TECHNICAL SKILLS

Java, Python, JavaScript, C, React Node.js, HTML, CSS

## PROJECTS

### **Sudoku-game**, [link](#)

- Object-oriented implementation of Sudoku game written in Python using *Pygame* library
- Generates random solvable 9 x 9 Sudoku grids
- Solves the generated grid using **Backtracking** algorithm
- By doing this project, I learnt about the Backtracking algorithm and game development

### **Face Recognition**, [link](#)

- A program that allows you to detect faces in images and
- By doing this project, I learnt about the HOG algorithm in face recognition.

### **Snake-game**, [link](#)

- Object-oriented implementation of Snake-game written in python and
- By doing this project, I learnt about collision detection and game development

### **Pong-game**, [link](#)

- Pong-game written in Python using *Turtle* library

## PERSONAL ACHIEVEMENTS

- **Bronze** medalist of 34<sup>th</sup> **Iran National Mathematical Olympiad** **2016**
- Accepted in **NODET** entrance exam in both primary and high school level