

# Rahul Agarwala

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130-7 Columbia Street West,  
Waterloo, Ontario

## Education

Wilfrid Laurier University | 2017 - 2021  
Honours Bachelor of Science  
Computer Science and Mathematics  
(Double major)  
Major GPA: 11.14 / 12.0

## Links

**LinkedIn:** [www.linkedin.com/in/ra-rahul](http://www.linkedin.com/in/ra-rahul)  
**GitHub:** <https://github.com/Rahul515>

## Skills

### Programming Languages:

Python, C, Pygame, Java, JavaScript,  
Assembly

### Presentation Languages:

HTML/CSS

### Tools & Designing Softwares:

Adobe Photoshop Microsoft Excel,  
Microsoft Word, VBA in Excel

## Awards

<b>Exe.BIT Robo-Tricks</b>	2016
1 <sup>st</sup> Place	
<b>International Informatics Olympiad</b>	2015
Rank: 75	
<b>Scholarship (Wilfrid Laurier)</b>	2017
Recipient of Merit Scholarhip	
<b>Zenith Karate-Do Tournament</b>	2016
1 <sup>st</sup> Place in Katha and Kumete	
<b>Keventers Cup Soccer Tournament</b>	2016
1 <sup>st</sup> Runner up	

## Relevant Coursework

Data Structures (CP164)  
Data Structure II (CP264)  
Digital Electronics (CP220)  
Object-Oriented Programming (CP213)  
Into to Microprocessor (CP216)  
Windows Application Programming (CP212)  
Multivariable Calculus (MA201)  
Linear Algebra (MA122)

## Work Experience

### Instructional Assistant | Wilfrid Laurier University | 2018 - Present

#### CP104: Intro to Programming:

- Taught the basic components of programming to a lab of 45 students

#### CP164: Data Structures I:

- Helped students grasp a better understanding of the different data structures in Computer Science.
- Assisted them analyse and debug their codes for the lab problems

### Customer Service Representative | Greyhound | 2017 - 2019

- Agent at the Greyhound booth in Kitchener.
- Interacted with customers on a daily basis to cater to their needs without supervision and make sure the buses are on time.

## Volunteer Activities

### Head of Robotics Committee | LSA | 2016 - 2017

- Selected by the faculty, out of a pool of 520 students to lead the school robotics team.
- Taught the basics of robotics to students of 10 different schools in various workshops as a mentor.
- Hosted various Interschool Robotics competitions.

### Core Committee Member | Exe.BIT | 2016

- Helped organise our anual Interschool IT Fest.
- Developed and maintained the website for the fest.  
Co-supervised the event Code-Chef: Test your coding skills.

## Projects

### Pygame Project | 2016

- Recreated the classic Snake game with some modifications.
- Scripted the game on Python using its Integrated Development Environment and combined it with the Python module Pygame to implement the graphics.

### Fibonacci Sequence Identifier | 2018

- Used a switch to give the device a 3 bit binary input and displayed the resulting output using a 7-segment display.
- Used Quartus II as the software to program the CPLD with the help of logic gates and displayed the resulting output on the 7-segment display.

### Omnifood (website) | 2019

- Created a website for an online course using resources provided by the professor.
- Used HTML5, CSS3 and JavaScript to build the website with brackets as the text editor.