# Rahul Agarwala

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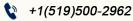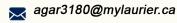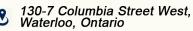✉ agar3180@mylaurier.ca

📍 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

**Website:** https://rahul515.github.io
**Linkedin:** www.linkedin.com/in/ra-rahul
**GitHub:** https://github.com/Rahul515

## Skills

**Programming Languages & Modules:**
Python, C, Pygame, Java, JavaScript, Assembly
**Presentation Languages:**
HTML/CSS
**Tools & Designing Softwares:**
Adobe Photoshop Microsoft Excel, Microsoft Word, VBA in Excel

## Awards

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