

REA AHUJA

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EDUCATION

University of Toronto

Bachelors of Applied Science in Computer Engineering

- GPA: 3.74/4.0
 - Awards: First Year Summer Research Fellows, Dean's Honour Roll, Dean's Merit Award, Edward S Rogers Sr. Admission Scholarship, Schneider Electric Canada Scholarship
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SKILLS

Languages: Java, C, Javascript, C++, Python, SQL, HTML5, CSS3, BootStrap, MATLAB

Hardware: Arduino, Raspberry Pi, Texas Instruments

Tools: VSCode, Android Studio, IntelliJ, PyCharm, GitHub, Figma

PROJECTS

Robo Cat – MakeUofT

2023

Designed a pet entertaining robotic cat utilizing: C++, Arduino Uno Rev3, Arduino Due, servo motors, DC motors, proximity sensors, , LCD display, switches, a laser and a buzzer.

Bad Piggies – UTEK Junior Design Winner (1st Place)

2023

Designed a mars rover with a spring system, multiple shock absorption systems, and a wheeling system with (primarily) cardboard, ballons, popsicle sticks and wooden wheels.

Arcade Simulator

2022

Created an arcade simulator using several Java concepts including: file I/O, multiple sorting algorithms, OOP, multiple data structures and 2D arrays.

WORK EXPERIENCE

Student Researcher

05/2023 – Present

University of Toronto Engineering

- Developing a Visual Studio Code Extension for the first year engineering programming course (APS105) at UofT Engineering

Software Programming Instructor

03/2022 – 02/2023

Wiz Robotics, Online

Teaching and leading:

- Java
- Python

programming class to children of ages 10–17.