

# REA AHUJA

reaahuja21@gmail.com

[linkedin.com/in/rea-ahuja](https://www.linkedin.com/in/rea-ahuja)

[github.com/reaahuja](https://github.com/reaahuja)

---

## EDUCATION

### University of Toronto

Bachelors of Applied Science in Computer Engineering

2022 – 2027

- Sessional 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
- 

## SKILLS

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

**Hardware:** PCB Design, Arduino, Raspberry PI, Texas Instruments

**Tools:** VSC, Altium, GitHub, Git, Android Studio, IntelliJ, PyCharm, 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 mechanical simulation 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

### Undergraduate 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

### PCB Designer

06/2023 – Present

University of Toronto Aerospace Team

- Utilizing Altium to design and test PCBs for the FINCH satellite in UTAT's space systems electrical team