

# Grant Achuzia

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## Education

### Carleton University | Ottawa, ON

Bachelor of Engineering in Computer Systems Engineering

GPA: 3.6/4.0

September 2021 – Present

Expected Graduation, May 2025

## Skills

**Programming:** Python, C, JavaScript, HTML, CSS, LaTeX, SQL, Git

**Software:** GitHub, Logisim

## Experience

### Roof Maintenance Solutions | Ottawa, ON

May 2022 – Present

#### Software Development Intern

- Developed Python scripts that used regex to parse 100+ survey reports to retrieve specific keywords and image data
- Used annotation software to contribute to labelling 500+ roof images for machine learning algorithm
- Designed a Python application using the Tkinter library to automate file naming for multiple reports and image files

## Projects & Competitions

### C-ENG-C JR Competition

December 2022

#### Carleton University Competitor

- Created CAD software to design a 3D model of a hydraulic powered machine used for carrying objects to different destinations
- Worked with team to brainstorm and construct a prototype instrument to move small objects across a given space

### ECOR 1042 Project

November 2017

#### Carleton University School Project

- Led team of 4 to build a simple library application using Python
- Implemented various search algorithms to analyze csv files with hundreds of books based on category, book name, and publisher

## Activities

### CUInSpace – Carleton University Rocketry Club | Ottawa, ON

September 2022 – Present

#### Avionics/Ground Station Team Member

- Improved ground station user interface using HTML and CSS
- Generated graphs with JavaScript libraries for the ground station user interface