

GRANT ACHUZIA

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EDUCATION

CARLETON UNIVERSITY

Bachelor of Engineering, Major in Computer Systems Engineering

Ottawa ON

Expected May 2026

WORK EXPERIENCE

MAINTENANCE DRONE CO.

Software Development Intern

Ottawa ON,

Jul 2023 – Aug 2023

- Developed a class in our survey report generator app using Python to streamline annotation data import/export, ensuring data accuracy
- Implemented error detection methods to identify annotation issues in survey xml data, preventing inaccuracies in reports
- Created a structured folder management system and integrated open-source tools for efficient editing and verification of user annotations

ROOF MAINTENANCE SOLUTIONS

Software Development Intern

Ottawa ON,

May 2022 – Aug 2022

- Built Python scripts using the regex package to extract relevant keywords and image data from 300+ roof survey reports, increasing efficiency for reviewing reports
- Used open-source annotation software to contribute 500+ annotated roofing images to machine learning model

PROJECTS

BOREALIS AI's Lets Solve It Program

Mar 2023 – May 2023

Team Member (Front-End)

- Designed a website using React and Python to allow students to upload end-of-term survey files and receive parse feedback based on a machine learning algorithm
- Implemented graphical designs created by team members into the application, ensuring alignment with project objectives

INFO-GRABBER

Nov 2022

Python Data-scraping App

- Developed an application using the Tkinter, docx2txt, and Pandas libraries to extract data from multiple docx files and save them to a CSV file
- Utilized regular expressions to search and extract specific pieces of information from the formatted text of the docx files, including company names, property managers, building addresses, and job numbers

ACTIVITIES

ONTARIO ENGINEERING COMPETITION (PROGRAMMING)

Ottawa, ON

Jan 2023

Team Member/Competitor

- Collaborated with 3 other undergraduate students to create an interactive software to search and find medical facilities for users based on their symptoms and location
- Constructed a simple website for the application using HTML, CSS, and JavaScript

C-ENG-C COMPETITION (PROGRAMMING)

Ottawa, ON

Nov 2022

1st Place Winning Team

- Worked with a team of 4 undergraduate students to create an application that simulates forest growth over varying periods of time
- Developed a front-end user interface to traverse our application using React and CSS

SKILLS

Technical Skills: Python, C, Java, JavaScript, HTML/CSS, LaTeX, SQL