

RUO XUAN (LUCY) AN

[LULANN.GITHUB.IO](https://lulann.github.io)
RXAN@UWATERLOO.CA

EXPERIENCE

Process Engineer

Canada Post (Spring 2022)

- Built a digital dashboard that dynamically updated itself with real-time truck arrival and departure times using **Python, Flask** and **JavaScript**
- Designed plant layouts with **AutoCAD** to increase production efficiency and improve ergonomic design
- Created detailed and easy to read process maps to communicate mail sorting logic to plant supervisors

MATLAB Specialist

Inspire Resources Inc. (Fall 2021)

- Built an app using **MATLAB** that computed 3D block model coordinates to support the development of intellectual property
- Calibrated and validated economic models with MATLAB scripts that analyzed and returned financial data to excel sheets.
- Taught colleagues to use **Git tools** and **Azure DevOps**

Online Learning Assistant

University of Waterloo Department of Civil and Environmental Engineering (Winter 2021)

- Compiled and edited 70 hours of lecture videos
- Transcribed and annotated subtitles with 99% accuracy using **DaVinci Resolve**
- Developed and iterated conceptual teaching models for theoretic accuracy, and user-friendliness

Solo Web Developer (2021-Present)

- Independently built and published personal website (lulann.github.io), a [chrome extension](#), and a [game](#) with HTML/CSS and JavaScript.

TECHNICAL SKILLS AND OTHER NOTES

- AutoCAD/Civil3D (2020)
- MATLAB
- Python 3.0
- Java, JavaScript
- Advanced Excel Functions
- HTML/CSS
- Surveying Methods
- Microsoft Office
- Valid driver's licence

EXTRACURRICULARS

- Secretary of UW Civil Environmental Architectural Geological Engineering Society (CEAGES) - 2020- 2022
- UW Varsity Fencing Team 2022 - Present

EDUCATION

University of Waterloo

2020-2025

Environmental Engineering (BASc)