

RUO XUAN AN

ENGINEERING AND
DESIGN

EDUCATION

University of Waterloo

2020-2025

Geological Engineering
(BASc)

Relevant Coursework:

- Earth Engineering
- Computational Methods
- Fluid Mechanics

CONTACT

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ACHIEVEMENTS

2019 HeforShe Writing Contest
Finalist [Read my piece here](#)

STUDENT LEADERSHIP AND EXTRACURRICULARS

- Secretary of UW Civil Environmental Architectural Geological Engineering Society (CEAGES)
- UW Fencing Club

EXPERIENCE

MATLAB Specialist

Inspire Resources Inc. (Fall 2021)

- Built tools using MATLAB to support the development of IP and to process industry data
- Built an app that computes coordinates of 3D block models using App Designer
- Implemented MATLAB features to analyze and output economic modeling data to excel sheets.
- Created 3D Models of confidential mine designs using Unity
- 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
- Collaborated with professors and teaching assistants on a weekly basis to deliver a high-quality education experience
- Scheduled content releases and managed learning resource portal

Solo Game Developer

- Created and distributed games for browser
<https://balladeg.itch.io/>