

ADEN GUO

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Professional Summary

Hardworking and driven geomatics student with competent knowledge in modern geomatics and engineering skills. Educated in surveying, satellite processing, data analysis, photogrammetry and digital imaging.. Excellent communication, learns fast and highly efficient. Operated effectively in independent and team-centered roles.

Education

Bachelor of Science: Geomatics Engineering [Graduated]

University of Calgary - Calgary, AB

- Relevant Coursework:
- ENGO 455 Land Tenure and Cadastral Systems
- ENGO 531 Advanced Photogrammetry - ENGO 559 Digital Imaging
- ENGO 563 Data Analysis - ENGO 537 Spatial Databases and Data Mining
- ENGO 500 Geomatics Engineering Project (Capstone)

Skills

- **Programming languages:** C++, Python, HTML, SQL, JS, Flask/Leaflet, Scikit-learn,
- **Drone Camera Calibration**
- **Surveying Techniques** (setting out, traverse, resection, topographic surveys, electronic tacheometry)
- **Data Management and Data mining**
- **Familiarity with Geodesy concepts**
- **Experience in satellites processing, remote sensing,photogrammetry, digital imaging topics**
- **Expertise in ArcGIS Pro/Online, GEE**

Professional Experience

Engineering Capstone Project, 9/11/2024 - 4/10/2025

- Comparison of different surveying methods (RTK GPS, range finder, odometer) for disc golf courses
- Use of drones to perform photogrammetric spatial intersection on target discs
- SaGES Project Presentation

Barista Shift Lead, 11/10/2020 - 5/31/2024

GongCha Country Hills - 40 Country Hills Landing NW #222

- Trained and supervised coworkers to maintain and uphold store policies and optimize staffing patterns.

Hobbies

Self directed learning of other programming languages to expand repertoire

Full Stack Development of GIS integration products