

HIGHLIGHT OF QUALIFICATION

- GIS student at SAIT (GPA 4.0) with hands-on experience supporting Enverus through advanced geospatial automation, remote sensing, and energy-sector analytics.
- Graduated from University of Calgary in 2024 with a Bachelor degree in Computer Science.
- Maintains strong visual precision when digitizing, georeferencing, and validating spatial features.
- Able to work independently or in a team environment with effective technical communication.
- Hard-working and motivated, capable of adjusting to new learnings / challenges and shifting priorities.

SOFTWARE PACKAGES

- ArcGIS Pro 3.7.1, ArcGIS Online, ArcGIS Enterprise, Experience Builder, Dashboards, Field Maps, StoryMaps
- PIX4Dmapper 4.8.0, ModelBuilder, FME, PostgreSQL 18.4, PostGIS 3.5.3, pgAdmin 4 9.6, Microsoft Access

TECHNICAL KNOWLEDGE

- Python scripting, ArcPy, SQL, custom geoprocessing tool development, map layout automation
- Deep learning in ArcGIS Pro, 3D Point Cloud Generation, threshold-based raster extraction, remote sensing
- Raster analysis, network analysis, cost surface modeling, suitability modeling, image classification
- Geodatabases, digitization, topology, metadata, data validation & normalization, datum standardization
- Aerial imagery interpretation, map production, georeferencing, coordinate systems

EDUCATION

Southern Alberta Institute of Technology (SAIT)

January 2026 - Present

Bachelor of Applied Technology Geographic Information System (GIS)

Key Course Name	Grade	Key Course Name	Grade
GIS Programming	A+	GIS Data Capture	A+
Enterprise & Web GIS	A+	Cartography & Geovisualization	A+
GIS Capstone Project	A+	GIS Data Modelling	A+
GIS Data Manipulation & Transformation	A+	Data Analysis & Output	A+
GPA Overall: 4.0			

University of Calgary

September 2018 – December 2023

Bachelor of Computer Science

Key Course Name	Grade	Key Course Name	Grade
Database Management Systems	A	Human – Robot Interaction	A+
GPA Overall: 3.8 out of 4.0			

- Used PHP alongside MySQL to develop and manage database systems.
- Created Entity Relationship Diagrams (ERD) to highlight relationships between entities.
- Worked with sensor-based camera systems, Arduino IDE, and augmented reality.

GIS EXPERIENCE

SAIT Capstone – Automated Spatial Anchoring of Well Coordinates & Well Drainage Mapping

Client: Enverus | May 2026 - Present

- Standardized OCR-extracted coordinates from plats to correct datum inconsistencies.
- Applied one-point and two-point spatial shifts with rotation to anchor points to its true location.
- Used remote sensing imagery to identify potential saltwater ponds near wells by isolating spectral values through threshold-based classification.
- Forecast production outputs using drainage patterns derived from existing and proposed well laterals.

Achievements

- Developed a Python script to generate realistic drainage ellipses for both existing and future wells, dynamically adjusting half-width values based on well attributes.
- Automated the intersection of existing and future drainage buffers to compute overlap footprints and adjust Estimated Ultimate Recovery (EUR) values.
- Built a consolidated master dataset integrating all OCR-derived coordinates (NAD27, NAD83, WGS84, latitude/longitude, and associated OCR confidence), improving workflow efficiency and data consistency.

SAIT First-Semester Final Project – Daycare Facility Development Based on Urgency

January 2026 – May 2026

- Identified residential communities in Calgary that have the highest children population to lowest daycare facility ratio using secondary data sources such as Calgary Census and ArcGIS Pro Enrich tool.
- Calculated services within a 10-min driving range of each residential community using network analysis.
- Created thematic maps to visualize main focus points and correctly answers geographical question.
- Completed advanced SQL queries to cross-check our sources and assumptions.

SAIT Assignment – Digitizing and Georeferencing (Linked to StoryMap)

January 2026 – May 2026

- Georeferenced aerial images using roads as alignment points and correctly matched images.
- Controlling RMSE to below 2 in value during the georeferencing phase to retain consistent transformation.
- Digitized 144+ polygon features, maintaining topology to ensure no overlaps or gaps within the study area.
- Polygon lines are neat and reflect actual world structures at a high accuracy.
- Classifications of elements are intuitive and consistent throughout the whole project.

ESRI TRAINING & CERTIFICATES

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| • Deep Learning Using ArcGIS Pro | July - 2026 |
| • Distance Analysis: Creating Optimal Paths | May - 2026 |
| • Distance Analysis: Creating Cost Surfaces | May - 2026 |
| • Generating Service Areas Using ArcGIS Pro | April - 2026 |
| • Building Geoprocessing Models Using ArcGIS Pro | April - 2026 |
| • Crime Analysis Solution: Selections and Queries | February - 2026 |
| • Maintaining Attribute Data Integrity Using ArcGIS Pro | January - 2026 |

References and Transcript of Record are available upon request.