

JOASH ELDHO

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Geomatics Engineering Student | Leader in Technical Projects and Community Engagement

PROFESSIONAL SUMMARY

Geomatics Engineering student at the University of Calgary with hands-on experience in technical prototyping, team leadership, Python programming, and customer service. I aspire to make an impact by collecting and analyzing spatial data to expand and improve our communities.

EDUCATION

Expected 2029

Bachelor of Science, Engineering - Geomatics Engineering | University of Calgary | GPA: 3.7/4.0 |

Clubs: AUV UCalgary, Robotics Operation and Autonomous Mapping, Geomatics Engineering Student Society, Malayalee Student Society

AWARDS

- Schulich Leader Nominee - Bishop McNally High School, 2025

TECHNICAL AND PROFESSIONAL SKILLS

Technical: Python, NumPy, matplotlib, technical prototyping, Microsoft Excel, testing, rapid iteration, ArcGIS, spatial data analysis, C++, GNSS, photogrammetry

Professional: team leadership, project coordination, problem-solving, customer service, public communication, event support, equipment operation, risk management

TECHNICAL EXPERIENCE

Scholar | MiEX Learning Experience Program - Vancouver, BC

May 2026

- Completed an intensive two-week mining-industry program covering exploration, operations, sustainability, reclamation, and Indigenous relations.
- Visited an active mine site and contributed to a business-case challenge focused on improving public understanding of the mining industry.
- Observed the application of GIS, spatial data, and land surveying operations within the mining industry, including their use in mine planning, site development, reclamation, and operational decision-making.

Robotic Claw Subsystem Lead | AUV UCalgary - Calgary, AB

2025 - 2026

- Led the design and development of an underwater claw subsystem for the RoboSub 2026 competition, coordinating team tasks and design decisions.
- Guided prototyping, testing, and troubleshooting while keeping the team aligned on milestones and technical requirements.
- Applied iterative problem-solving and clear communication to improve subsystem reliability and project progress.

Geomatics Team Member | Robotic Operations and Autonomous Mapping - Calgary, AB

2026 - Present

- Contribute to the development of autonomous mapping using LiDAR, RTK-GNSS, and IMU sensors for high-precision spatial data collection.
- Support SLAM, point-cloud processing, and 3D mapping workflows for terrain reconstruction and autonomous navigation.
- Collaborate with mechanical, electrical, and software teams to integrate geomatics sensors on the robotic platform.

WORK EXPERIENCE

Landscaper | Soar Property Maintenance - Calgary, AB

June 2026 - Sep 2026

- Interpreted site requirements and completed tasks accurately in changing outdoor conditions.
- Performed outdoor site work involving measurements, grading, layout, and general site preparation.

Cast Member | Cineplex Sunridge Spectrum Cinemas - Calgary, AB

Nov 2023 - Present

- Deliver efficient and friendly customer service in a fast-paced theatre environment, assisting guests with purchases, questions, and concerns.
- Resolve customer concerns professionally and communicate effectively with supervisors and coworkers.

Volunteer | Youth Central - Calgary AB,

July 2024 - July 2025

- Supporting community events, STEM initiatives, senior-support activities, and technology-assistance sessions through collaborative volunteer service.