

# Seema Mustaqeem, EIT

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Geomatics Engineer, actively seeking opportunities in product or project management within the technology or earth sciences sectors. I bring a strong technical foundation in geomatics combined with hands-on experience in customer success and strong interpersonal skills, enabling me to bridge the gap between complex technical solutions and user needs.

## PROFESSIONAL EXPERIENCE

### **Head Ice Skating Coach**

Alexandra Ice Skating Club | Sports and Recreation

Alexandra, Otago, New Zealand

*May 2025 - Present*

- Planned and delivered 30–40 hours of structured lessons weekly for skaters aged 4 to adult, tailoring technical instruction to diverse learning styles and developmental levels.
- Supervised and organized sessions for up to 70 participants, maintaining a safe, inclusive environment while providing individualized feedback and support.
- Developed and managed seasonal programming, including schedules, curriculum, and competition/test preparation, ensuring compliance with NZIFSA and IJS standards.
- Led a team of 6 assistant coaches, providing mentorship in effective coaching methods.
- Strengthened communication and conflict resolution skills by working closely with athletes, parents, and club administrators, balancing technical feedback with motivational coaching.
- Translated complex physical techniques into accessible, actionable steps a skill that is essential to technical instruction and stakeholder communication in engineering contexts.

### **Client Delivery Specialist, Geomatics Engineer-in-Training**

VEERUM Inc. | SaaS | Digital Twin Technology | <50 Employees

Calgary, AB, Canada

*September 2023 - February 2025*

- Led the implementation of the largest new build client project on the digital twin platform, tailoring the product to their use cases, increasing daily user count by 100% over 6 months.
- Owned the product delivery for Piping and Instrumentation Diagram (P&ID) integration, building and successfully implementing the feature to 3 major client sites.
- Established strong customer relations by planning and leading monthly in-person and virtual training sessions for 25-50 site operators.
- Optimized the upload workflow for reality scan point cloud files (e57/laz) using FME Form/Flow, allowing clients to ingest their own data and removing the need for delivery team intervention.
- Automated georeferencing and ingestion pipelines for two new photogrammetry formats (OBJ, B3DM) using Python and FME, expanding platform compatibility and market reach.
- Gained hands-on experience in agile product development, coordinating feature rollouts and sprint planning via Asana, JIRA, and ProdPad.

### **Geomatics Engineering Intern**

NovAtel Inc. | Satellite Communication Systems | <500 Employees

Calgary, AB, Canada

*May 2021 - July 2022*

- Conducted extensive research on the effects of temperature on error in inertial measurement units (IMU's), providing a road map to improve the stability of client units in harsh weather.

- Presented findings to internal engineering teams, using data visualizations built in Python and Jupyter Notebook (pandas, Bokeh) to support decision-making.
- Developed a software package in C++ to perform unit conversions for new coordinate systems in Switzerland, for use by clients located there.
- Conducted testing and analysis of GNSS (Global Navigation Satellite System) and INS (Inertial Navigation System) units to quantify error margins and biases, driving continuous product refinement.
- Collaborated across engineering and QA teams using JIRA and Confluence, honing project tracking, documentation, and cross-functional communication skills.

## **EDUCATION**

### **Bachelor of Science in Geomatics Engineering with Distinction**

University of Calgary

*May 2023*

- Relevant Coursework: Remote Sensing, Advanced Photogrammetry, Environmental Modelling, Advanced Geospatial Topics, Satellite Positioning, Land Surveying
- Co-Curriculars: Geomatics Engineering Students' Society President, Schulich Leadership Program, Internship Program

## **SKILLS**

**Programming Languages:** Python, C++, MATLAB, HTML, CSS, JavaScript, SQL

**Software:** FME Workbench, FME Flow, QGIS, ArcGIS Online, Navisworks Simulate

**Languages:** English, Spanish (B1 - Conversational), Russian

**Certifications:** APEGA EIT, First Aid, NZIFSA Level 2 Coach, Skate Canada Regional Coach