Tobin Hugh Eberle, E.I.T.

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EDUCATION

BSc in Electrical Engineering with Nano Engineering Option (Co-op) **Sep 2014 - Apr 2019**
University of Alberta, Edmonton, AB

RELEVANT EXPERIENCE

Field Automation Engineer-in-Training **Jun 2019 - Present**
Precision Drilling, Calgary, AB

- Designed and commissioned hardware/software automation systems used to modernize old industrial drilling rig equipment
- Created test benches, test procedures, and wrote acceptance criteria for new and existing systems
- Created detailed network topology, panel layout, and electrical wiring diagrams and their relevant BOM's
- Frequently travelled to remote locations to perform hardware and software acceptance tests and to perform emergency engineering support
- Operated and became a subject matter expert (SME) in Precision's custom control system
- Performed extensive testing and root cause analysis on Precision's control system to recreate, isolate, and document issues found by field personnel
- Represented Precision Drilling Engineer when working onsite with oil and gas clients, and acted as a liaison between field and office personnel
- Maintained a positive and goal-oriented attitude to work effectively with clients and co-workers

Distribution Co-op **Sep 2017 - Sep 2018**
ATCO Gas, Edmonton, AB

- Planned, designed, and modelled over thirty gas distribution pipeline projects creating over one million dollars of new infrastructure
- Managed incoming project requests and developed effective and cooperative working relationships with both co-workers and external clients
- Oversaw the onsite assessment, resourcing requests, schedule coordination and monitoring for projects undergoing construction
- Developed time-management skills by prioritizing projects based off customer needs and construction availability

Electrical Team Lead **Sep 2017 - Sep 2018**
Space Exploration Alberta Robotics (SPEAR), Edmonton, AB

- Provided leadership for a team of students designing robotics' hardware for a Mars Rover competing in the Canadian International Rover Challenge
- Designed PCB's and created test benches for a variety of Rover electrical subsystems
- Created documentation outlining Rover technical specifications and design summary

COMPLEMENTARY SKILLS

Computer Skills

- Programming Languages: Python, C, JavaScript, PLC Languages (Ladder, Structured Text)
- Developer Tools: AutoCAD Electrical, Visual Studio Code, Git, Linux (Ubuntu)

Hobbies and Interests

- Music: Royal Conservatory of Music, Grade 8 Piano with honours
- Outdoor Sports: Climbing, hiking and ski touring (Avalanche Safety Training 1)
- Volunteering: Volunteer with the Edmonton Humane Society as a dog carer