



Engineering Career Centre
Internship Program
ENC 205, 2500 University Dr. N.W.
Calgary, AB T2N 1N4 CANADA

October 19, 2021

Subject: Intern of Merit Recognition

Dear Robert,

Congratulations, your supervisor is recognizing you as an Intern of Merit!

Each year, we ask supervisors of our interns to recognize individuals who have made a significant positive impact on their team and company. This year, 15% of our interns have been recognized as Interns of Merit and you are one of them. All your hard work and contributions during your internship have been acknowledged by your supervisor! The Engineering Career Centre is pleased to provide you with a record of your Intern of Merit recognition. You can add this information into the Honors and Awards section of your LinkedIn profile and even include it in your applications for a new grad position.

Intern: Robert Krivelis

Company: AltaLink

Supervisor: Jim Rippon, Manager, Lifecycle Maintenance Engineering

Recognition Statement:

Robert was a valuable addition to the team. The level of skill and effectiveness in completing tasks was surely missed upon completion of the co-op term. Despite the challenges encountered with bringing on a student in the middle of a pandemic, Robert demonstrated a very high level of independence and proved to be an effective communicator. Robert stood out by showing a high level of initiative, this meant reaching out with questions instead of waiting for planned mentor/mentee meetings and pushing the extent of his tasks by taking it to the next level or two.

Robert focused heavily over the term on building a machine learning algorithm for asset forecasting of wood pole transmission lines. This involved a significant level of data clean-up which evolved into defining a standard for different vendors to provide consistently formatted data. Assembling the data required cross-referencing multiple data sources which Robert used Python and other scripting languages to make more efficient. Robert's level of documentation was well noted too. The result of this effort was a much more advanced forecast model which incorporated condition data. The model was more accurate than the age-based and known issues model used previously.



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Robert also implemented tool efficiencies which lead to advancement of the Probability of Failure (PoF) modeling. Robert's focus and dedication lead to a greater than 50x improvement in the asset risk modelling tool's performance. What once took approx. 30 hours was reduced to 15-30 minutes. This level of efficiency empowered to team to perform scenario analysis on investment optimization as the timing of the tool use was prohibitive.

Lastly, Robert worked directly with several of the transmission asset discipline engineering leads to ensure foundational PoF modeling tools were put in place for different asset types. This expanded Robert's knowledge of the power system and also advanced the whole team's use of the enhanced modeling tools. This demonstrated Robert's leadership too as it meant he was booking sessions with the leads to extract the required modeling inputs for adequate modeling setup.

Robert excelled during his co-op term. He clearly demonstrated a level of technical expertise in programming and scripting that translated to value to the team and genuinely made the team more efficient.

Again, all of us at the Engineering Career Centre congratulate you on having completed a very successful internship. Robert, you are well on your way towards a professional engineering career.

Sincerely,

Engineering Career Centre Team

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