

# Students At Work

Rocscience, Toronto, Canada



## Calvin Yan

During my four-month co-op term at Rocscience this past winter, I worked closely with Dr. Thamer Yacoub, a Geomechanics Specialist. I was involved with testing and preparing validation documents for the next version of the *Slide* slope stability software. In particular, I tested the ability for *Slide* to carry out transient groundwater analysis. I researched different applications of transient analysis and carried out these analyses in *Slide*. Through this, I was able to build upon my knowledge of soil mechanics and geotechnical engineering, as well as be exposed to advanced methods and concepts I would not have the chance to learn in an academic setting.

I also had the opportunity to be involved with various other small projects. I worked with Dr. Brent Corkum on the validation of rapid drawdown methods in *Slide*. This was a topic I found especially engaging. Additionally, I researched how forests affect the path of rock falls. This has potential for Rocscience's rock fall analysis program.

It was a great pleasure to work with the friendly and encouraging team at Rocscience. The co-op position afforded me invaluable development towards my academic and career goals in the geotechnical and mining industries.\* - Calvin Yan

\* Calvin is now in his 4<sup>th</sup> year in the Department of Civil Engineering at the University of Waterloo. He was a winner of the Undergraduate Student Research Award (USRA), given by NSERC (The Natural Sciences and Engineering Research Council of Canada) during his summer internship.