

Students At Work

Rocscience, Toronto, Canada



Tushar Verma

My name is Tushar Verma and I am currently a 4th Year Civil Engineering student at the Indian Institute of Technology (IIT) in Roorkee, India. For eight weeks this past summer (in June and July), I worked as an intern at Rocscience.

During my internship, I mostly worked with Dr. Thamer Yacoub, a geomechanics specialist, on verifying program or algorithm results. We compared Rocscience software output against known solutions described in engineering publications. This work really helped me to learn how to model even the most difficult geotechnical problems with Rocscience software, and to appreciate the subtleties of geotechnical modeling.

I also assisted Dr. Reginald Hammah and Dr. Jim Hazzard with a few projects during my internship. Working with Dr. Hammah, I learned about statistical methods that will enhance the capabilities of future versions of Rocscience software. With Dr. Jim Hazzard, I obtained experience in the efficient modeling of 'secondary consolidation' problems with Settle3D, a Rocscience program for settlement analysis.

My stay at Rocscience was memorable. I enjoyed the really friendly and productive work environment in the company. I came to understand the team effort required to solve complex problems. I believe that the experience and knowledge I gained from my internship will help me to be a better engineer.