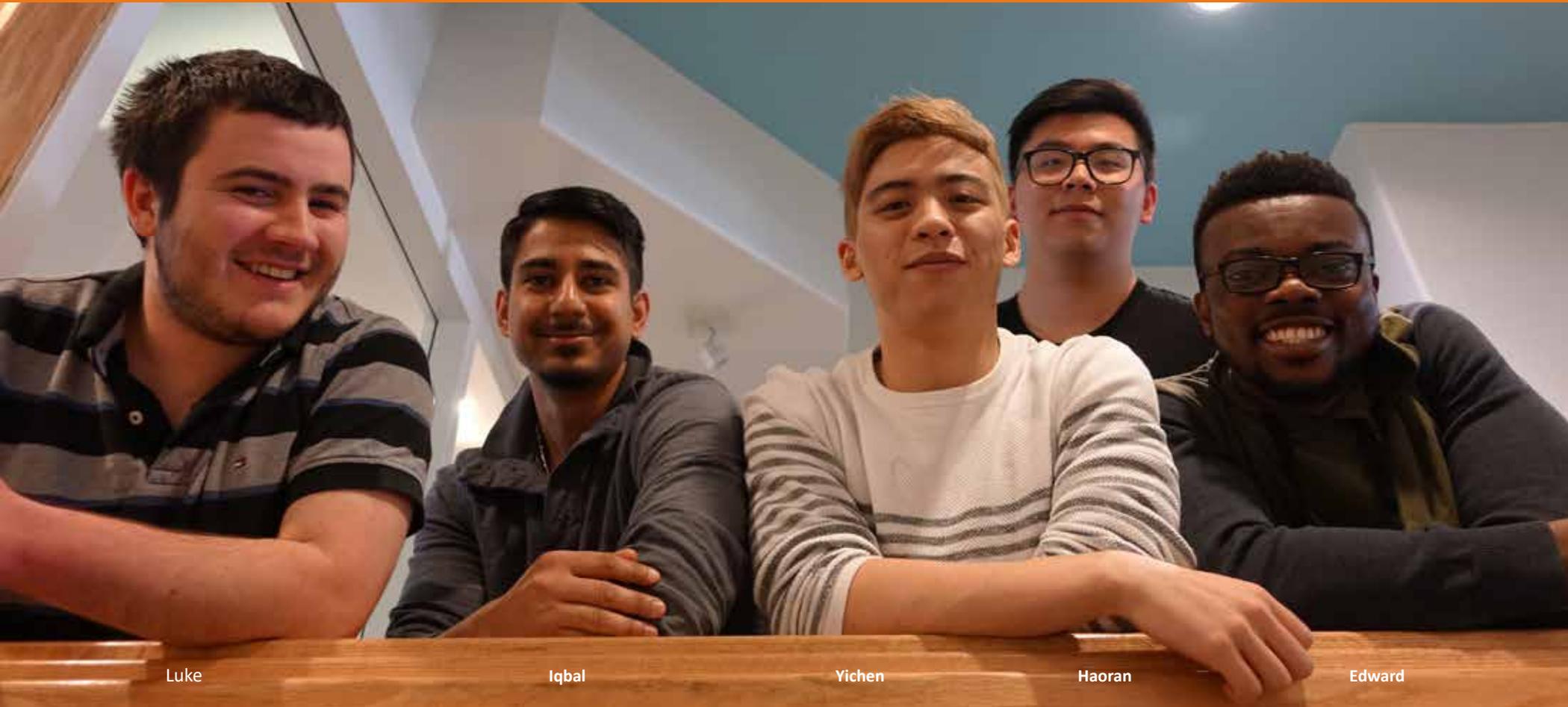


Rocscience Inc. Winter Student Interns 2017



Luke

Iqbal

Yichen

Haoran

Edward

Luke Scollard - My time at Rocscience was an informative and enjoyable experience. During my work term, I mainly worked on adding new features to our *RS³* and *Slide³* programs, as well as improving on older features. It was a highly enriching experience, as I encountered many new programming techniques, helping me improve my skills in software development and expanding my arsenal of tools to solve future problems in my programming career. The staff at Rocscience were very supportive, ready to give me tips on how to improve the features I was adding in, as well as mentoring me and assisting me when I ran into problems or needed a concept explained. I enjoyed the time I spent with everyone here, and I love the Star Wars pinball machine, even if I'm not breaking any records on it. I won't be forgetting my experience here, or the skills I gained through it, any time soon.

Iqbal Budwal - My co-op at Rocscience was a very educational, rewarding and enjoyable experience. The main project I worked on was researching and implementing new features into *RSPile*, the Rocscience pile analysis program. One of the features I worked on was adding new soils types by understanding the behavior of different soils surrounding a laterally loaded pile. Another feature was reinforced concrete piles, which involved modeling the bending behavior of a pile made from concrete and rebar to obtain functions for bending stiffness. The company is full of people happy to help each other learn and succeed whether creating geotechnical software or playing Star Wars Pinball.



Yichen Zhao - This past term at Rocscience has been one of my most enjoyable co-op experiences. The supportive atmosphere and upbeat people have made office life very enjoyable. I am currently working under the supervision of Dr. Brent Corkum on optimization algorithms for *Slide*³ as well as a new feature involving Bayesian inference for *RocData*. During my time here I have learned a lot about 3D modeling techniques, numerical algorithms, and software development in C++. I have thoroughly enjoyed each project that I have worked on so far. These past four months have flown by and I look forward to my remaining time here at Rocscience!

Edward Opoku - I had the opportunity to work in the sales and marketing department during my co-op term at Rocscience. My co-op experience was amazing because of the support I got from my team and Thamer. I helped improve the company's social media platform and spent my time corresponding to the needs of our customers using Salesforce and other user-interfaces. I ensured that their software and maintenance subscriptions were kept up-to-date. Various ad-hoc duties were performed as required. Overall, I have built relationships with co-workers through ping-pong, daily activities and group discussions that I cherish so much.

Haoran Xu - Rocscience gave me an incredible co-op experience by spending my term here working with all kinds of experts and handling different tasks. During my intern term here, I mainly worked on verifying and validating the theories behind the new feature of analyzing group piles in *RSPile*. Research and learning related to geotechnical engineering were gained through my projects on different case testing. Creating and computing *RS*³/*Slide*³ models are always interesting beside practicing my ping pong and foosball skills. This four-month experience provided me not only the knowledge, but also a wider vision into the geotechnical engineering field. I truly appreciate everyone's help with my projects and wish Rocscience every success in the future.



If you are interested in a student internship at Rocscience Inc. please contact us at: education@rocscience.com