

# ty297

My name is Tianchen, I'm from Beijing, China. I did my undergraduate study in Civil and Environmental Engineering. Now I'm continuing my Master in Cornell University.

## Winter 2014

I'm a member of the Village supply system team. Our sub team is focusing on distribution system in the village. The goal of our sub team is to come up with a generalized algorithm which can be applied to small village with different conditions using software such as Math Cad. To be honest, I think it's a really challenging task. But I still hope with the cooperation between our lovely team members we can innovate the system and get a better solution at the end of our semester. I'm very very excited to work on it.

## Spring 2015

This semester we will be working on the Pore Size team of the Foam Filter, trying to get better understanding on what affects the efficiency of the system. We will try to figure out the most effective distribution of foam in the Foam Filter, in terms of depth and pore size with the lab data and get a governing equation based on the  $pC^*$  equation. Our experiments will be conducted on the small scale plant.