Summary

"My project was a culmination of using Manipulation and Computer Vision and was assigned the task of developing a stacking demo with ABB's Yumi robot. The robot should be able to recognize a stacking pattern formed using blocks and then stack objects to build a similar structure. The goal of this project is to scan a pre-built stack and then rebuild it using the YuMi robot."

Funny Experience

"My first day in Zurich, I went to a grocery store to buy some vegetables and during checkout I realized that you have to weigh your vegetables and label them yourself, before the checkout! Since I don't speak German, the cashier had to make labels for me, while I was just standing at the counter blocking people behind me. Embarrassing at the time, but funny in hindsight."

Relation to your major

"Concepts are best understood when applied, hence the Yumi stacking project provided the opportunity to understand every topic covered, in depth. This project took helped me implement concepts like kinematics, manipulation, object detection and recognition. I got the chance to better understand open source libraries including MoveIt! And PointCloud Library. Furthermore this project also helped in appreciating the practical difficulties that arise while implementing a piece of code on the physical robot. I want to pursue a PhD in Robotics and this project helped me gain experience in the field."