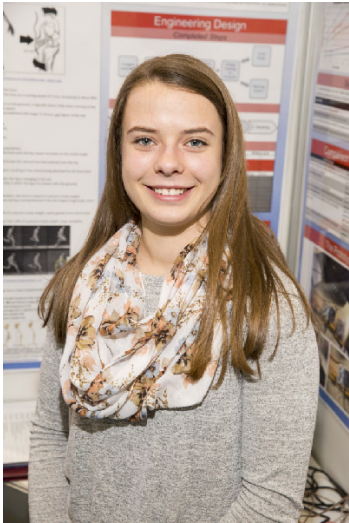


ESPC 2015 - Fredericton (Nouveau-Brunswick)



Marie Floryan

Development of Assistive Technology for Recovery from ACL Injury

Défi: Innovation

Catégorie: Sénior

Région: Thames Valley

Ville: London, ON

École: A.B. Lucas S.S.

Sommaire: A system for the quantification of ACL rehab exercise instructions has been proposed with the hope that its use may lead to acceleration of the recovery. The system relies of the continuous force monitoring in the injured leg. The system has various exercise-related applications, such as quantifying other types of rehab, and improving running biomechanics.

Biographie

My name is Marie Floryan and I am a grade 12 student at A.B. Lucas Secondary School. I enjoy playing sports. I played soccer and volleyball competitively, and was apart of my high school's basketball, volleyball, soccer, badminton, and track and field teams. My inspiration for my project came when I tore my ACL at the beginning of my final year at high school. My goals are to improve the ACL rehab process by decreasing the rehab time and by improving the overall quality of life after ACL reconstructive surgery, as well as to improve digital fitness methods.

Prix

Valeur

Prix d'excellence - Senior - Médaille de bronze Commanditaire: Sciences jeunesse Canada	
Bourse d'admission de l'Université d'Ottawa Médaille de bronze, sénior ? Bourse d'admission de 1 000 \$ Commanditaire: Université d'Ottawa	1 000,00 \$
Bourse d'études de Western University Médaille de bronze - Bourse d'admission de 1 000 \$ Commanditaire: Université Western	1 000,00 \$
Total	2 000,00 \$