

Influence of the JACO Robotic Arm on Social Participation and Quality of Life of Users with Upper Limb Disabilities



Noémie Fortin-Bédard, M.Sc, RSW

Ph.D candidate in Rehabilitation Sciences at Université Laval
Québec, Canada

Supervised by Pr. François Routhier and Pr. Véronique H. Flamand,

MEET ALEX



Live in Canada



Spinal cord injury



Live with her mom



Objective to gain independence

JACO Robotic Arm



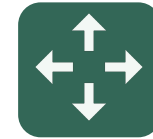
Mounted on the powered wheelchair



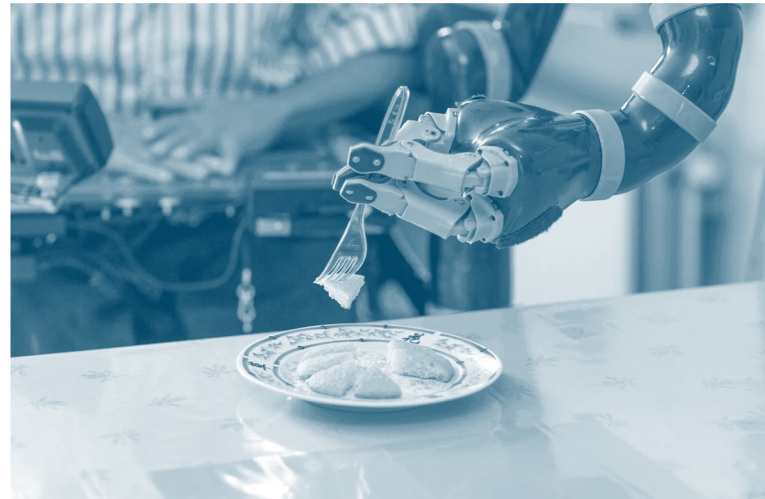
Movements correspond to the shoulder, elbow, and wrist



Controlled using a joystick or other interface



16 movements available



But...



01



Long term influence on **social participation** and **quality of life**

02



Cost-effectiveness

03



Experience of use

