

# Computational Thinking Assessments

## PROJECT DESCRIPTION

Computational thinking (CT) is defined as a set of cognitive processes associated with problem solving aiming to help formulate problems into steps that can be carried out by a computer. Although CT constitutes an important 21st-century competency, there are currently very few CT assessments in the literature. This project proposes to develop and validate assessments of computational thinking to test concepts such as abstraction, decomposition, pattern recognition, and sequencing (i.e., sorting actions in a specific order to accomplish a task).

## FACULTY-DEPARTMENT

Education - Educational Psychology

## OPEN TO STUDENTS FROM THE FOLLOWING INSTITUTIONS

Chinese universities participating in the [\*Double First-Class Initiative\*](#).

## DESIRED FIELD OF STUDENT STUDY

Computing Science or Education

## INTERNSHIP LOCATION

Edmonton Campus

## NUMBER OF INTERNSHIP POSITIONS

1

## INTERNSHIP DATES

Start: July 2, 2019

End: October 2, 2019

## ARE THE DATES FLEXIBLE?

Yes, I am flexible regarding the internship dates. Selected students can contact me to request a date change.