

# Emotion Recogniser

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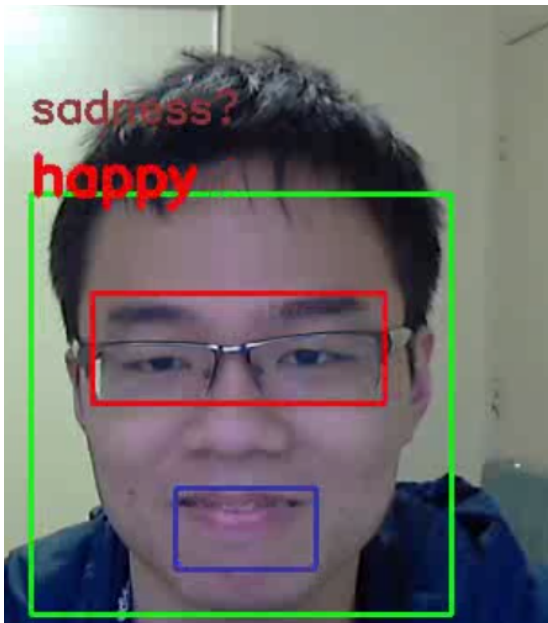
**Abstract**—This is a report on the emotion recognizer project for comp9517 at UNSW. the report includes our goal, reference survey, problem decomposition, detailed specification, design, test and group contribution and conclusion.

## I. INTRODUCTION

The goal of the project is to able to recognize human emotion on real time live stream to a degree of accuracy (at the start of the project we set the benchmark to around 50%). There are 4 emotions that we are concerned with:

- 1) neutral
- 2) happy
- 3) angry
- 4) sadness

other: when the recognizer is not sure we consider the emotion to be some other emotion



As shown in the photo, there are 2 emotions displayed. The larger text on top of the frame is the best estimation of the current emotion, the dark red text is the 2nd best predication.