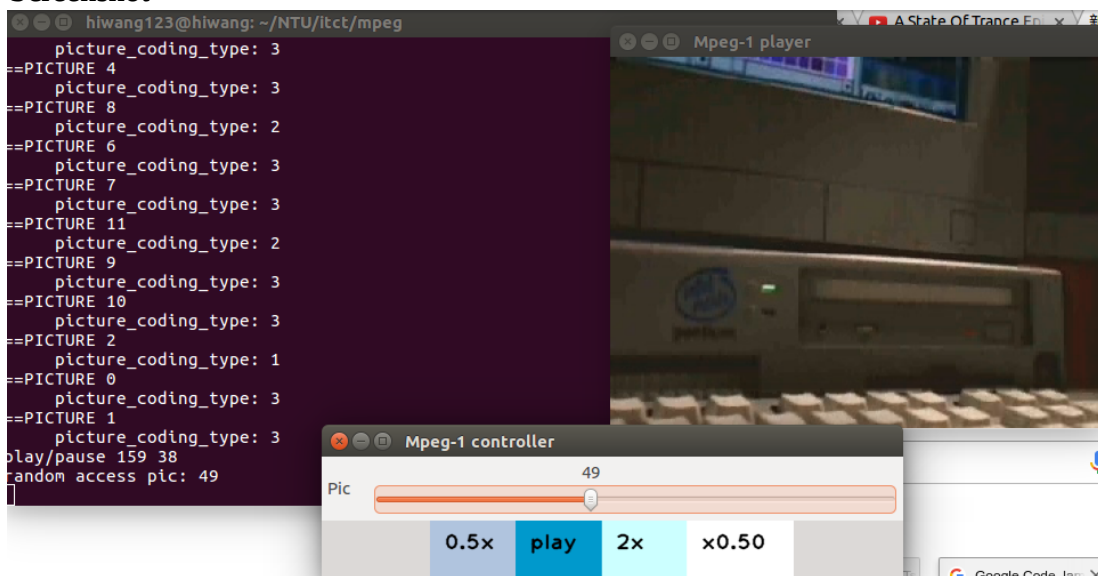


ITCT Final Project: Mpeg-1 Realtime Decoder

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- ◆ Description
 - A real-time MPEG-1 decoder with simple GUI controller
- ◆ Compile
 - `make`
- ◆ Run
 - `./main <mpeg file>`
- ◆ Environment
 - Ubuntu 16.04 LTS
 - gcc version 5.4.0
- ◆ Library
 - c++ opencv2
- ◆ Functions
 - Support I, IP, IPB pic decode
 - Real-time decode and display
 - VCR
 - Random access
 - Play/Pause
 - Fast/Slow forward
 - Shrink/Enlarge video size
- ◆ Screenshot



- ◆ Usage
 - 0.5x button(blue)
 - Click to slow down playing speed to 0.5 times current speed, minimum 0.25 times
 - 2x button(light blue)
 - Click to fast up playing speed to 2 times current speed, maximum 4 times
 - play/pause button(deep blue)
 - Click to control player to play or pause video
 - speed display area(white)
 - Display current speed, possible values: x0.25, x0.50, x1.00, x2.00, x4.00
 - Track Bar
 - Show current playing picture frame index
 - Drag to random access to other frame, draggable only when video is **paused**