



Intelligent Tutoring System Weekly Slides # 5

By Tomatokiller

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Our Team



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Summary of this week



Face Recognition

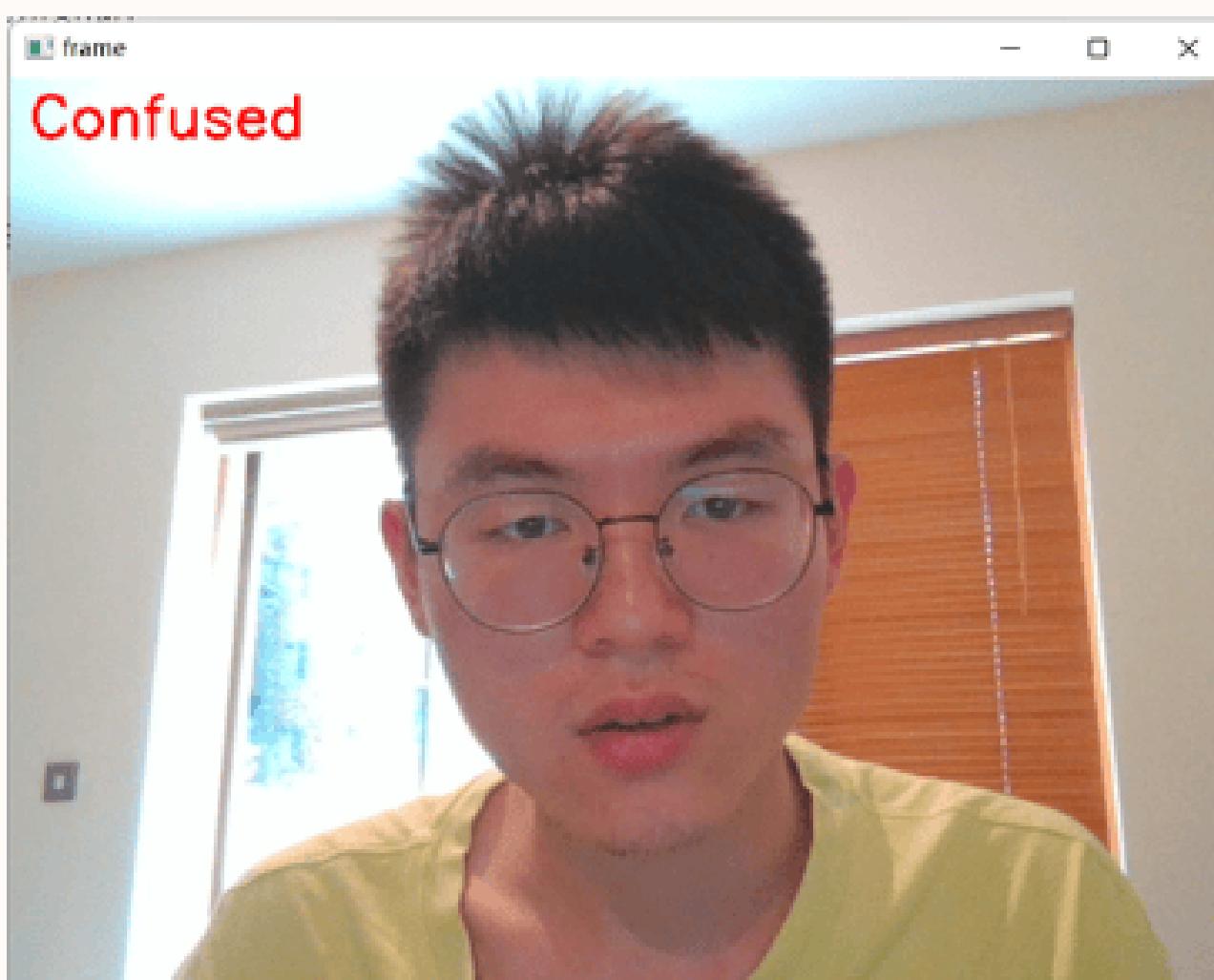
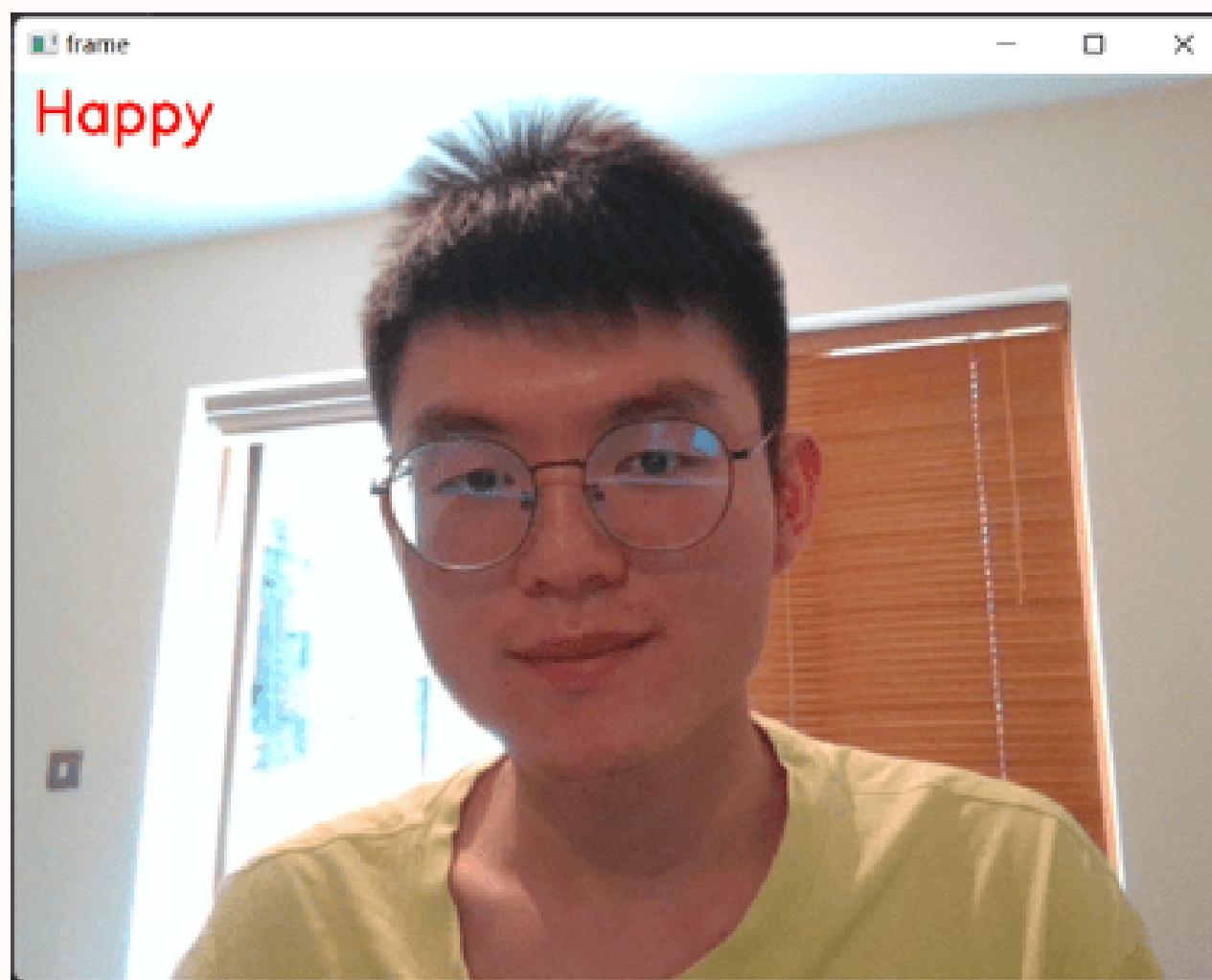
Document storage

pressure test



Face Recognition

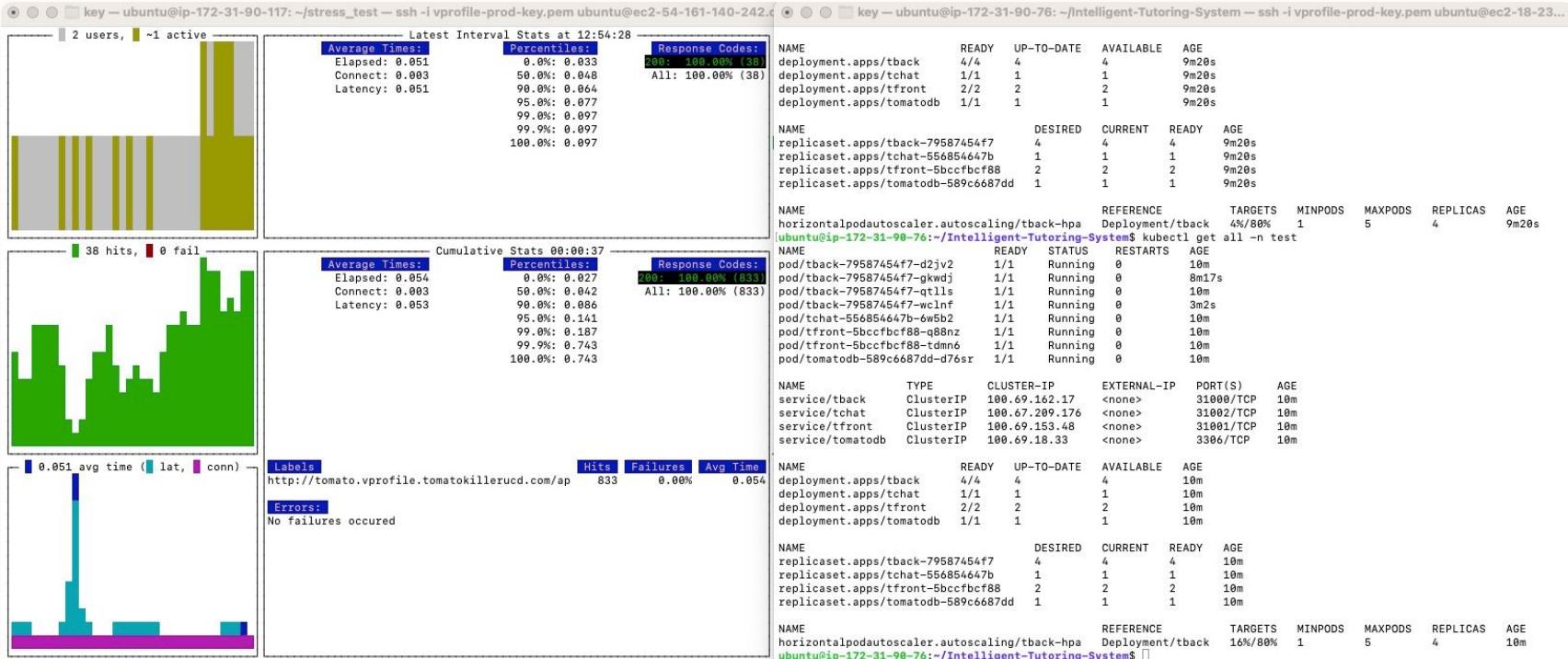
- **Framework and Libraries:** Utilized Flask framework and Flask-SocketIO library to establish backend services and handle WebSocket connections
- **Image Analysis:** Adopted Google Cloud Vision API for facial recognition and expression analysis
- **Image Processing:** Used Python's PIL library to convert received Base64 encoded image data into images
- **Real-time Communication:** Recognition processing results are sent back to the front end in real-time via WebSockets
- **Model:** Google Cloud Vision API, a deep learning-based convolutional neural network model, learns and analyzes facial features and expressions
- **Testing:** Facial recognition tests demonstrate that the model is highly reliable in most common situations.



Document storage

```
key — ubuntu@ip-172-31-90-76: ~/Intelligent-Tutoring-System/helm/tomatocharts/templates — ssh -i vprofile-pro...  
apiVersion: autoscaling/v1  
kind: HorizontalPodAutoscaler  
metadata:  
  name: tback-hpa  
spec:  
  scaleTargetRef:  
    apiVersion: apps/v1  
    kind: Deployment  
    name: tback  
  minReplicas: 1  
  maxReplicas: 5  
  targetCPUUtilizationPercentage: 80
```

Pressure test



Learning Styles Questionnaire

Learning Styles Questionnaire

There is no time limit to this questionnaire. It will probably take you 10-15 minutes. The accuracy of the results depends on how honest you can be. There are no right or wrong answers. If you agree more than you disagree with a statement choose the option agree. If you disagree more than you agree choose the option disagree. Be sure to mark each item with either agree or disagree. When you have completed the questionnaire, continue by selecting 'End Questionnaire'

1. I have strong beliefs about what is right and wrong, good and bad.

Agree

Disagree

2. I often act without considering the possible consequences.

Agree

Disagree

3. I tend to solve problems using a step-by-step approach.

Agree

Disagree

4. I believe that formal procedures and policies restrict people.

Agree

Disagree

5. I have a reputation for saying what I think, simply and directly.

Agree

Disagree

6. I often find that actions based on feelings are as sound as those based on careful thought and analysis.

Agree

Disagree

7. I like the sort of work where I have time for thorough preparation and implementation.

Agree

Disagree

8. I regularly question people about their basic assumptions.

Agree

Disagree

Reference:

HONEY, P. and MUMFORD. 1992. The Manual of Learning Styles, , 3rd Edn, Maidenhead: Honey.

Ongoning



A screenshot of a digital workspace interface, likely Trello or a similar kanban board. The top navigation bar includes '18 July Presentation', '看板' (Board), 'Power-Ups', '自动化' (Automation), '筛选' (Filter), and '分享' (Share). The main area features three columns: 'To do', 'On going', and 'Done'. The 'On going' column contains one card: 'Question comment' with status '1' and members 'AC' and 'YQ'. The background of the workspace is a scenic image of a mountain range at sunset.

