

Integrate Emotion and Quality Estimation in QATS

Project Description:

The QCRI Automatic Transcription (QATS) for the Arabic language has been the go-to tool for top companies like Al-Jazeera, BBC and DW for transcribing their Arabic videos to text. We have also developed state of the art emotion recognition and speech recognition quality estimation. This project will explore novel ways to integrate emotion recognition and quality estimation in QATS.

Duties/Activities:

The goals of the project involve working on the front end to integrate emotion recognition along with the standard speech recognition. The quality estimation will be also considered to markup the recognized text with the estimated quality. Some server back-end may be required to integrate python modules for the recognition.

Required Skills:

- Python coding skills
- CSS and html
- Understanding of UI components

Preferred Intern Academic Level:

Rising junior/senior studying CS or any related field.

Learning Opportunities:

- Getting a good understanding on how video transcription works
- Getting a good understanding on how speech emotion works
- Learn more about web development and user interface design
- Integrating your work into a real live system!

Expected Team Size: *1 or 2 interns*

Mentors

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