

Automatic Transcription and Translation System Admin Analytics Dashboard

Project Description:

The QCRI Automatic Transcription System (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. These demands require QCRI to monitor more closely how its tools and resources are being used. This project is about building an admin dashboard to better monitor how the QATS system resources are being used and further use this information to improve the system pipeline.

Duties/Activities:

The goals of the project involve having a basic understanding of the QATS system (<http://qat2.cloudapp.net/>) and how it processes video. The second phase of the project is to identify useful analytics that can be displayed for the admin dashboard. The third phase involves integrating the analytics – by building the dashboard-- in a visually appealing way in the new QATS system admin dashboard.

Required Skills:

- Python coding skills
- Understanding of MVC web-framework (ideally django)
- Understanding of UI components (e.g any JS charting libraries)

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 experience in how to analytically think about a fully functioning system
- Getting experience in analyzing data and representing them in a useful way by building a dashboard
- Integrating your work into a real live system!

Expected Team Size: *1 or 2 interns*

Mentors

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