

THEO Technologies

Viewer Engagement Suite: Auto Subtitling Internship

Leuven, Belgium (Europe)

THEO's vision & mission

[THEOplayer](#) is the industry-leading video playback partner for delivering a world-class viewer experience with HLS and MPEG-DASH across different platforms and devices. With our video player solutions for VR/360, web, mobile web, Android SDK, iOS SDK and Chromecast Receiver App SDK, THEOplayer is a trusted video player partner for some of the world's premier telcos, broadcasters and publishers. THEOplayer has proven compatibility with industry-leading solutions for streaming, advertising, DRM and server side ad insertion. Our worldwide customer base includes companies such as CNN, Telenet, NBC, Twitter, Swisscom, France Télévisions, Telia, CERN, Nasdaq, Hudl, Cisco and Softbank. In 2017, 2018 and 2019 THEOplayer has won the Streaming Media Readers' Choice Award for Best Video Player Solution/SDK. THEO Technologies is one of the fastest growing technology companies in Belgium. We are an ambitious team who have been disrupting the global online video industry since 2012. THEO Technologies has offices in Leuven (HQ - Belgium), Singapore (Singapore), New York and San Francisco (USA).

With video streaming on the rise, media services need to differentiate and strive towards increased engagement with their viewers. With an overload on potential content being available, media services need to capture the attention of their audience in a better way, improving access to content, discoverability as well as ease of use and quality of experience. In order to facilitate media services, THEO Technologies is planning to simplify the setup of capabilities improving the user engagement.

Description internship

Within this internship, a project is envisioned to **automatically generate transcribe audio into subtitles or captions**, allowing media services to make content more accessible to their viewers and opening up support for the hearing impaired. The goal is to set up a micro service generating these transcriptions based on a number of parameters to be deployed in a standard cloud environment (such as Amazon AWS or Google Cloud). Where current focus is on video-on-demand, the option to transcribe live media is to be investigated as well.

The trainee will first get acquainted with the available transcription and speech-to-text services. Next the trainee will set up a small implementation leveraging these services into a subtitle transcription service. The system will need to be highly scalable, completely stateless and automatically deployable, with the right tests in place to ensure correct operation. Where necessary the trainee



will develop tools to facilitate and automate the tests. During the internship, the trainee will learn how streaming video works.

Does this sound interesting to you?

Please send your resume and cover letter to careers@theoplayer.com. We look forward to hearing from you.