

NOLA 300 Tech Production Scope of Work

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Prepared for: Tool
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Campaign: NOLA 300 “On time, in New Orleans”
Director: DJ Neff
Overview: Create an automated video recording and editing platform that can be installed in 2 locations: in a shipping for a 2-3 week period, and then in an airport for an open-ended period.

1. Research and spec tech
 - a. Programmable cameras, lenses
 - b. Microphones
 - c. CPU
 - d. Projector¹
 - e. Networking
 - f. Mounting hardware
 - g. Storage (hard drive)
 - h. Cables
2. Create a database of background video with tags for content, emotion, etc (mongo)
3. Create a custom video player with quad warping and OSC controls for playback (openFrameworks)
4. Use camera SDK to interface with camera for starting and stopping recording (openFrameworks)
5. Use Watson Speech-To-Text to capture and timestamp what the user is saying (nodejs)
6. Use text from user in real-time to select a video from database (node)
7. Communicate with custom video player (#3) to trigger video playback (osc)
8. Use camera SDK to gather and organize all video content on local computer (node/http)
9. Use text of users story to determine a cut-sheet for the video (nodejs)
10. Edit the video together (FFMPEG)
11. Interface with remote API to upload video² (nodejs)
 - a. Include resilience against network connectivity problems (ie: keep trying to upload until it's successful)
12. Monitor storage and notify an attendant if HD needs to be swapped (node/shell)
13. Create a minimal front-end interface for troubleshooting (HTML/CSS)
14. iPad interface for user data input, and stopping/starting
15. Testing, optimization, crash-proofing
16. On-site installation (2 trips, 4 days for)
17. Tech direction for production and installation (remote)
18. User manual for software
19. 30 days maintenance, bug fixes, support

Any changes to this scope will result in a change of fee. This SOW does not include hardware costs, travel, or support beyond the 30 day maintenance period.

¹ 3000 lumen projectors from Tool

² Not including moderation interface