

# MULTIMEDIA STORYTELLING

2015 AVAP Conference Steffan Hacker, Multimedia Producer Tufts University

#### MULTMEDIA STORYTELLING

- I. INTRODUCTION
- II. STORY IDEAS & CONSIDERATIONS
- III. PRE-PRODUCTION
- IV. PRODUCTION
- V. POST-PRODUCTION
- VI. SHARING & DISTRIBUTION

VII.QUESTIONS?



Multimedia Storytelling

# I. INTRODUCTION

## INTRODUCTION

## What is multimedia?

- Video
- Photos
- Audio
- Music
- Voice
- Text
- Graphics
- Animation
- Data
  - & more

### INTRODUCTION

#### Today's Presentation:

Narrative Driven

-In the subject's voice-Editorial channels-ex. "Spiky, Slimy and Smooth"



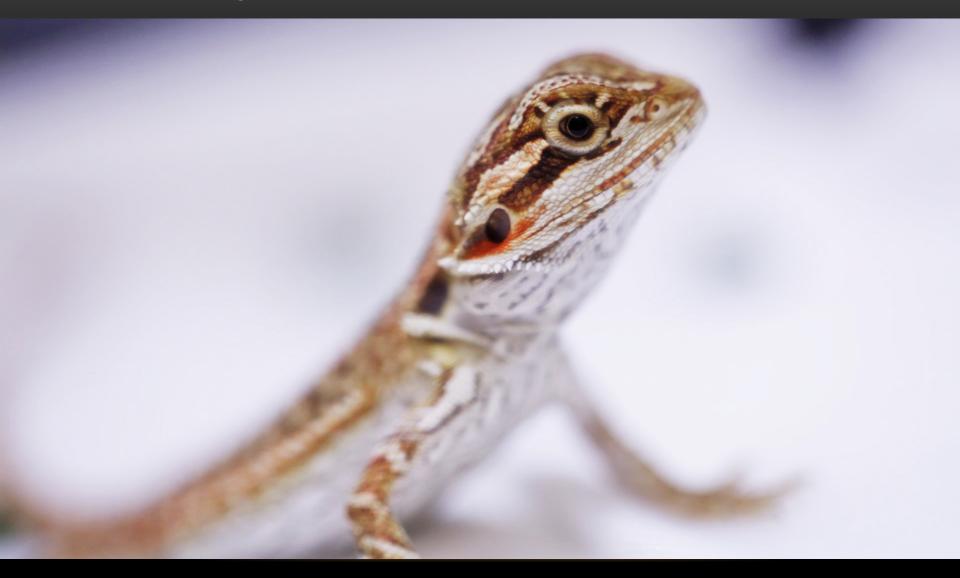
Images only, not reliant on wordsSocial media channels

-ex. "A Head for Dentistry"

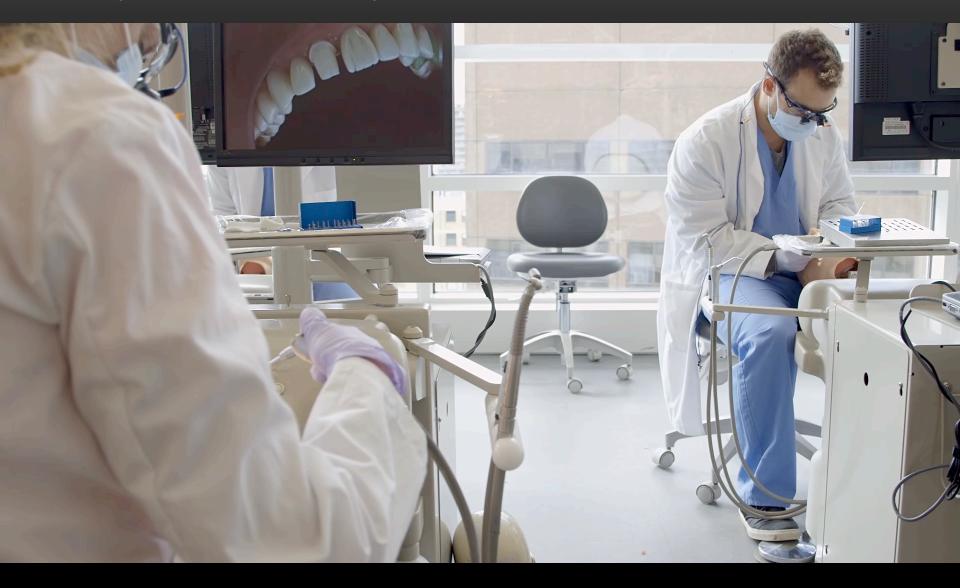




#### Narrative Driven: "Fight or Flee"



#### Visually Driven: "A Head for Dentistry"



# II. STORY IDEAS & CONSIDERATIONS

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#### **STORY IDEAS & CONSIDERATIONS**

How do we decide?

- Basic Considerations & Evaluation:
  - Is there a story?
  - Key themes, tie-ins, shared interests?
  - Balanced coverage- what schools/topics haven't we featured?
  - Lasting use or too time/event specific?
  - Length- can it be told in a brief video?
  - Relevance to a broad **online** audience?
  - Do we have the time in our schedule?

#### **STORY IDEAS & CONSIDERATIONS**

Total Work Hours

From Concept to Final Product

Narrative Driven
 (If it requires 2 interviews)
 100-140 Hours

Visually Driven
 (If it requires 3 separate shoots)
 80-100 Hours

#### **STORY IDEAS & CONSIDERATIONS**

## Why should anyone else care?

(no offense)

Scene 1: INT. UNIV. LAB - DAY Michael McExpert and Steffan Hacker are seated across a table for a video interview. HACKER Who might care about your study? MCEXPERT (frowning) I do! HACKER Okay, but can you convince me to care? What? You're the one that asked me for this interview! Sorry, I meant to ask how this could affect the outside world? Oh, hmmm, well, I really hope this study will lead to things that help a lot of people that are suffering.



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# **III. PRE-PRODUCTION**

#### **PRE-PRODUCTION**

#### **Creative Brief**

- Potential themes- idea should work in a sentence or two.
- Focus on meaning- information simply supports it.
- Interviews- "assigning roles"-who should talk about what.
- Collaborative effort- mutual understanding, shared efforts.

#### TUFTS DIGITAL COMM - MULTIMEDIA CREATIVE BRIEF

Subject/Title: Human-Computer Interaction, School of Engineering

Contact: Steffan Hacker- multimedia producer, steffan.hacker@tufts.edu, 617-627-4288

#### Overview

Video will highlight the research and development of a new channel of communication between people and their computing devices. With the addition of near-infrared spectroscopy (NIRS), a non-invasive tool for measuring brain activity, a computer can monitor a person's cognitive effort as they perform tasks. The computer can then respond through the interface by adjusting the person's workload according to their level of mental fatigue.

#### Deliverable

 2-4 minute video for publication on Tufts' websites (tufts.edu, now.tufts.edu & others) and shared via Tufts' social media outlets (youtube, vimeo, facebook, twitter & others).

#### Potential Themes

- Explanation of what is unique/new about interacting with a computer in this way (passive, implicit, real-time communication) and how this might alter our future work and play.
- Highlight the significance of increasing the flow of information from human to computer
- whereas most developments in computing have increased the flow from computer to human.
  Potential for widespread use and application of the research findings.

#### Potential for widespread use and application of the re-

#### Audiences & Relevance

- General Public –exciting prospects for the future of computing; interesting possibilities for future workplaces.
- Tufts community Showcase of excellent, interdisciplinary research at Tufts to be seen by
  potential students, alumni and friends of the university.

#### Creative Considerations

- Tone/style documentary
- Visual b-roll of experiments, some displays of graphics/data, some "talking heads"
- Audio sound bytes from interviews, some ambient, some subtle music.

#### Production

- · Primary interview(s): Dr. Robert Jacob, Dept. of Computer Science-overview of the project
- Additional interview(s): Dr. Sergio Fantini, Dept. of Biomedical Engineering—explanation of basic science behind fNIRS.
- · Priority b-roll: research participants using experimental interfaces.
- · Additional b-roll: details of equipment
- · Supplemental materials: may request use of relevant graphics and illustrations.

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#### Page 1 of 1

- Supplemental materials: may request use of relevant graphics and illustrations
- Additional b-roll: details of equipment
- Priority b-roll: research participants using experimental interfaces
- Additional interview(s): Dr. Sergio Fantini, Dept. of Biomedical Engineering—explanation



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# IV. PRODUCTION



Interview Objective #1: Get the interviewee to say it all. (Leaving you no \_\_\_\_\_ to fill in.)

#### Interviewing Methods

- Get answers in full sentences

   Q: What's your favorite color?
   A: My favorite color is blue.
   A: Blue.
- Get a Literal description
  - -Proper nouns for who, what, where etc.

-He, it, there etc.

- Get a "big picture" explanation
   What does it all mean?
   How does this make you feel?
- Ask the same question again (and again and again)
  - -"Can you answer that again but this time . . ."

## **Interviewing Tactics**

- Play a role: "Pretend I'm \_\_\_\_\_"
   a space alien
   your smart nephew who's still in middle school
   just plain stupid
- Compliment & Flatter
- Contradict & Challenge
  - -Triggers a rebuttal

-Provides a chance to address skepticism

#### Interviewing Tactics



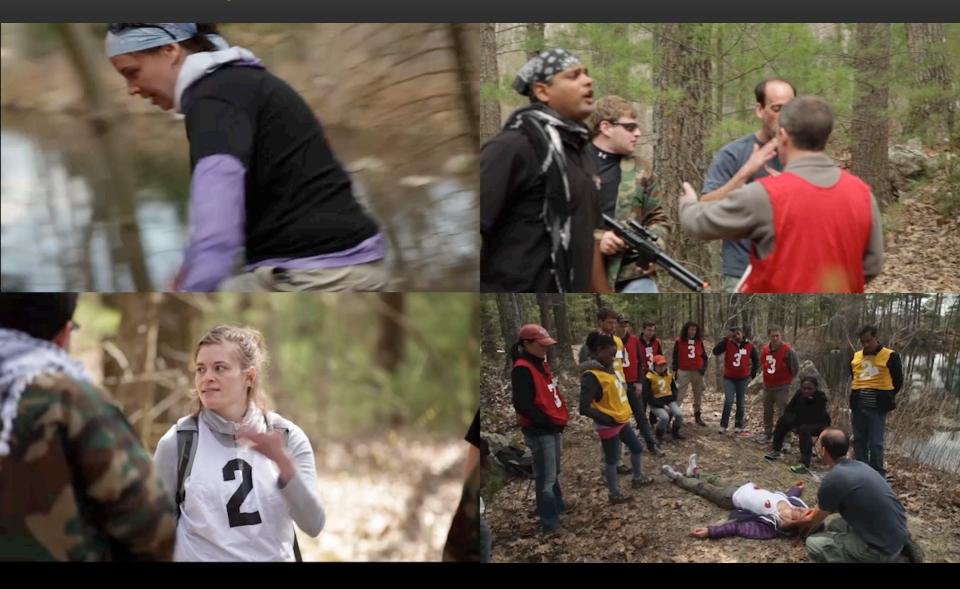
**B-roll & Visuals** 

# What's there to shoot?

#### Action – "Art in the Round"



#### Action – "Simulating Disaster"



**B-roll & Visuals** 

# What's there to shoot? Action (sort of)

#### Action (sort of) – Human Computer Interaction



#### B-roll & Visuals

#### Break it down



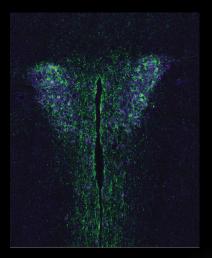
**B-roll & Visuals** 

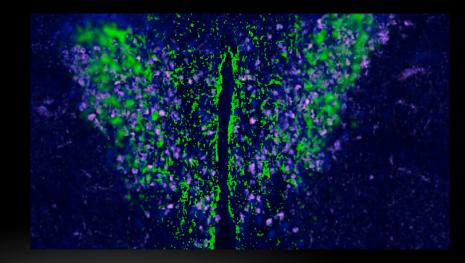
## What else ya got? Illustrations, graphics, charts, photos . . .

#### B-roll & Visuals

Animating provided illustrations

"Fight or Flee"

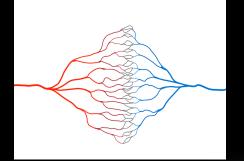


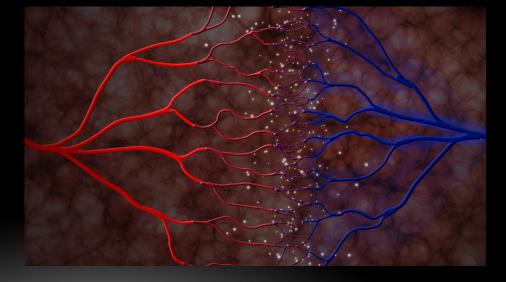


#### **B-roll & Visuals**

Animating provided illustrations

Human Computer Interaction





#### Recording Audio

Beware the troublemakers.













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## Short takes longer.

## Simple is harder.



#### "Spiky, Slimy and Smooth"

#### Final Piece 2 min. 15 sec.



#### "A Head for Dentistry"

#### Final Piece 1 min. 12 sec.



#### "Simulating Disaster"

Final Piece 3 min. 37 sec.



#### **Processing Interviews**

- Transcribe (go slow to get fast)
- Find the strongest and simplest bytes
- Arrange, rearrange, rearrange . . .
- Cut bytes, polish

#### **Processing Interviews**

#### Word Count Rule of Thumb

- Slower delivery: 60 words/minute
- Medium delivery: 180 words/minute
- Faster delivery: 300 words/minute

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already. So in the long run, this could be something that anyone could use – it's very easy to set up, it could be cheap someday, and it could make your computer a little more responsive than it would otherwise be.

So are we reading your thoughts? No. <del>Could we someday read your thoughts? Who knows. Not for avery long time.</del> All we're doing is measuring the amount of blood flowing near the surface of your brain, and it relates to how hard you're working, how hard you're thinking, or how much you're holding in your memory. So our work has been covered in a variety of news media, and to our delight, people have not been extremely paranoid about the possibility of mind control. It's hard to say, but it will be a very long time before computers can read your thoughts so probably beyond all of our lifetimes.

So [what I'm most excited about is] the idea of improving the connection between people and computers of not baying to suffer the slow awkwardness of the way we now communicate. A computer

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### Processing B-roll

- Organize and categorize (go slow to get fast)
- Find what matches script
- Find what doesn't need to match the script
- Think of sums not parts

Putting it all together

- First listen, then watch
- Eliminate repetition (yes, even paraphrase)
- Refine audio editing (the least forgiving aspect)
- Evaluate visuals (do they match/should they match?)

Current project: Tufts Comparative Oncology





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# VI. SHARING & DISTRIBUTION

# SHARING & DISTRIBUTION

Ways you can use them

- Departmental Website(s) and Blog(s)
- Departmental Social Media Channel(s)
- Direct Distribution
- Print Publications
- Events, Meetings and Presentations
- Outside Organizations
- Encouraging Video Sharing by Individuals

#### "Mind-reading Computers?"





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# VII. QUESTIONS?

#### QUESTIONS?

# Contact me: steffan.hacker@tufts.edu

See more videos: now.tufts.edu/multimedia vimeo.com/tuftsu youtube.com/tuftsu