

CREATE **WORLD** 2012

5-7 DECEMBER GRIFFITH UNIVERSITY BRISBANE



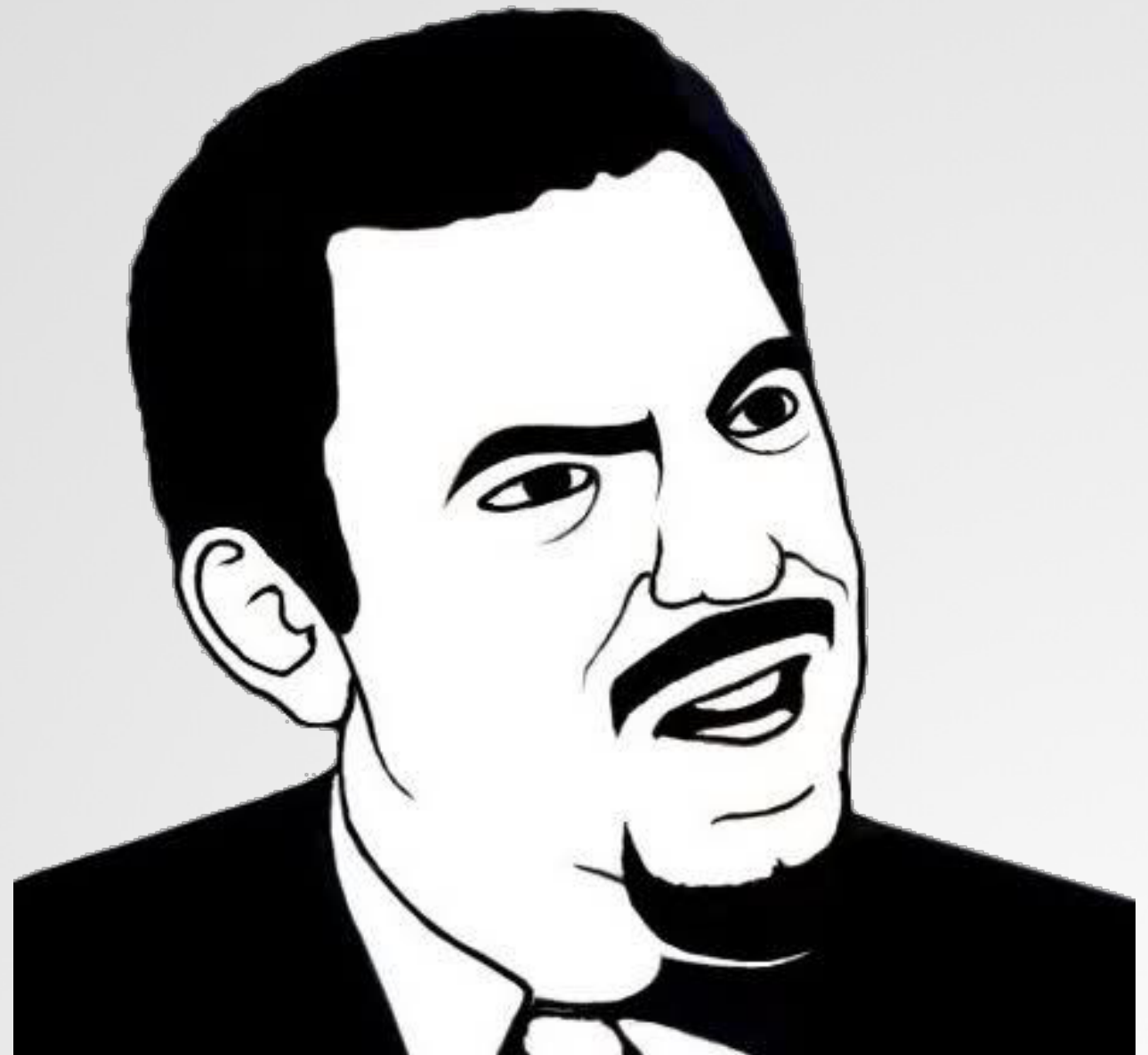
USING 3D SIMULATION AND GAME TECHNOLOGY IN EDUCATION

■ A LITTLE ABOUT ME

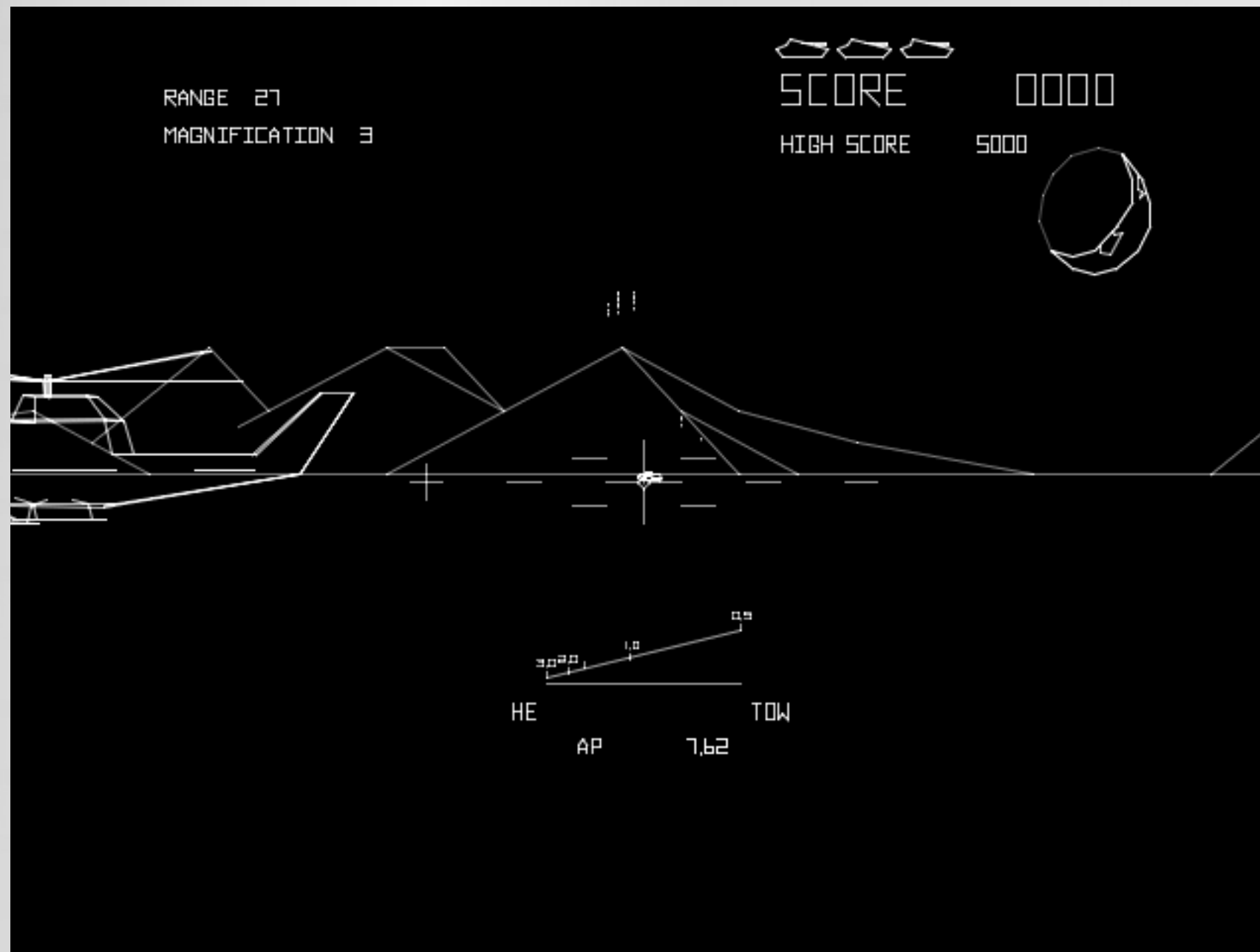


RICHARD STALS
LEARNING TECHNOLOGIST
EDITH COWAN UNIVERSITY

SERIOUS GAMES



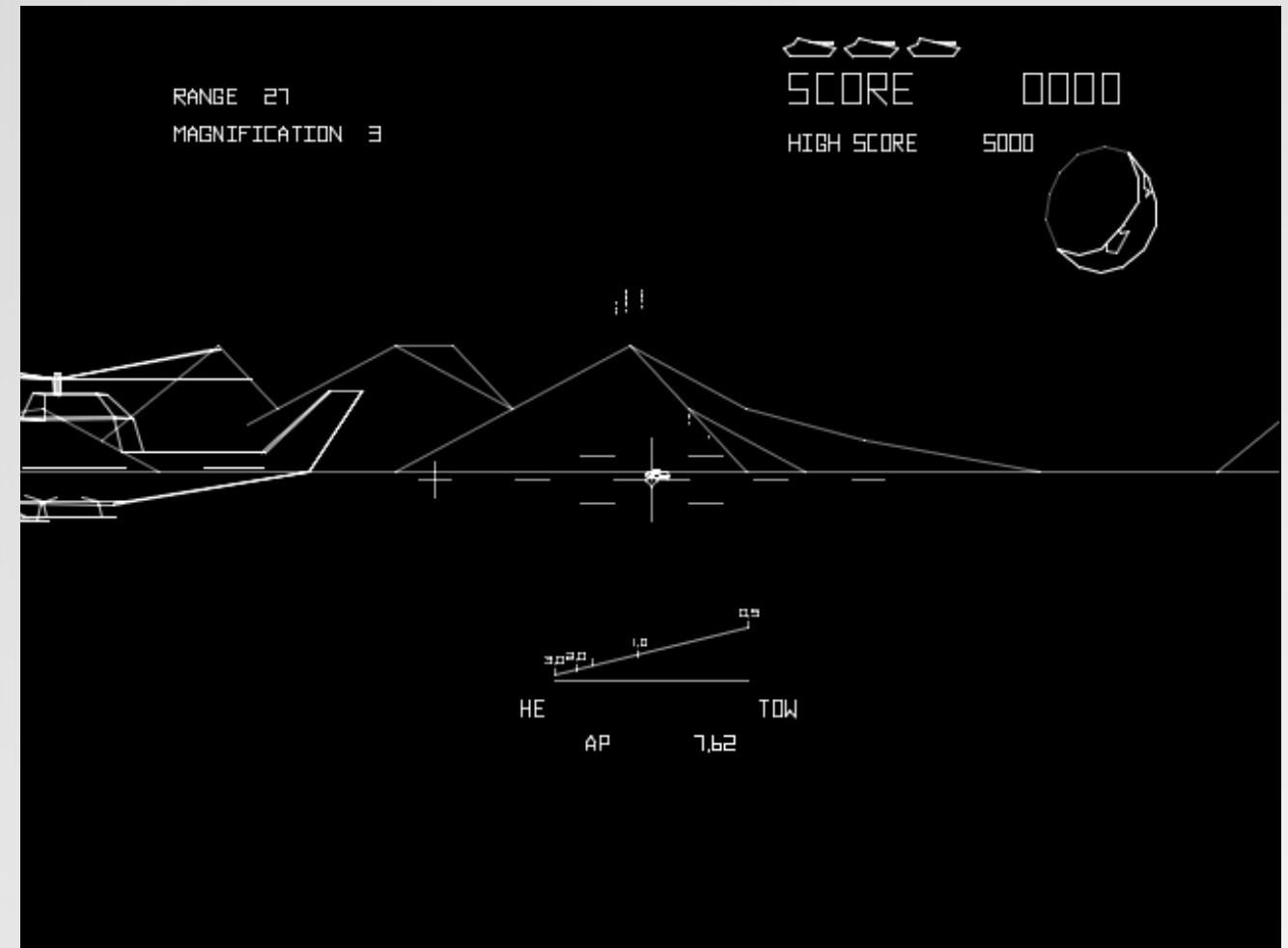
SERIOUS GAMES



SERIOUS GAMES

THE BRADLEY TRAINER

Considered to be the first
electronic serious game
1980



CASE STUDY

PARAMEDIC EDUCATION
MASS CASUALTY TRIAGE
TRADITIONAL

3

1

INSTRUCTION



Image by <http://www.flickr.com/photos/artonice/>

- 2

CARD SORT



Image by <http://www.flickr.com/photos/rosenfeldmedia/>

— 3

SIMULATION EXERCISE



Image by <http://www.flickr.com/photos/er24ems/>

CASE STUDY

PARAMEDIC EDUCATION MASS CASUALTY TRIAGE TRIAL

3

1

INSTRUCTION



Image by <http://www.flickr.com/photos/artonice/>

— 3

SIMULATION EXERCISE



Image by <http://www.flickr.com/photos/er24ems/>

- 2

SERIOUS GAME



Image from <http://www.trusim.com/>

CASE STUDY

FINDINGS

7%

28%

CASE STUDY

**Serious gaming technology in
major incident triage training: A
pragmatic controlled trial.**

***Resuscitation*, 81(9), 1175-1179
(Knight, J et al)**

THE CHALLENGE



Image by <http://www.flickr.com/photos/teegardin/>

MODEL WORKFLOW

Google
SketchUp



CHARACTER
WORKFLOW

mixamo



unity

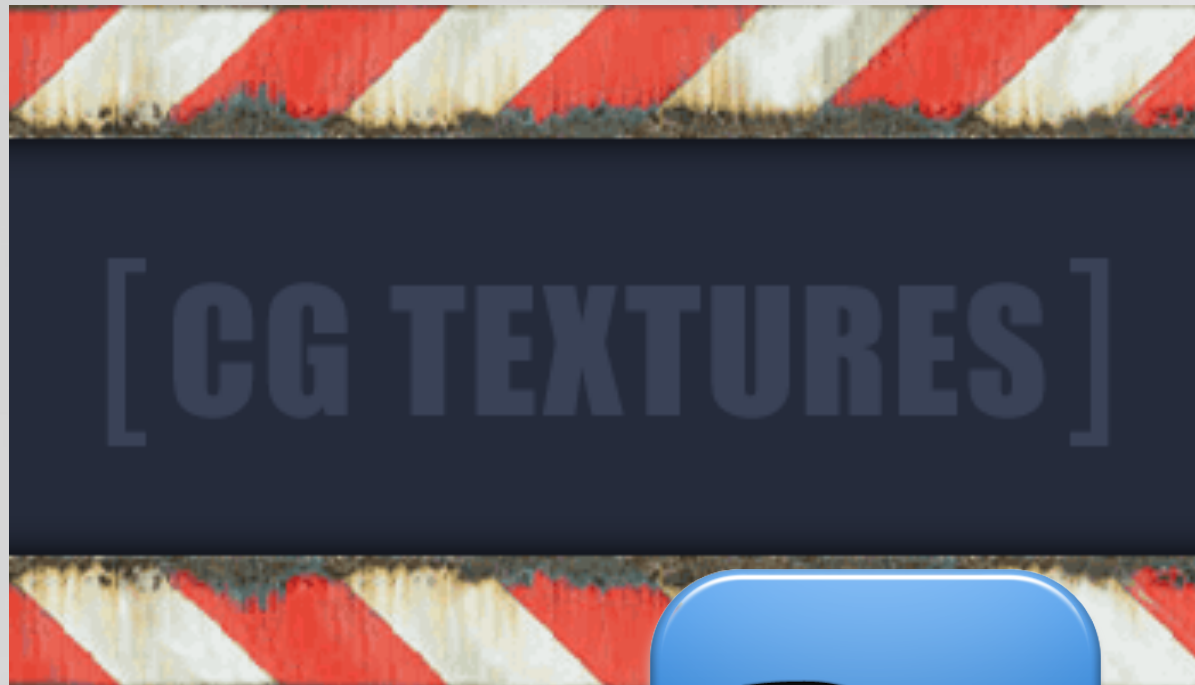


■ ANIMATION WORKFLOW

mixamo

Carnegie Mellon
GRAPHICS

OTHER STUFF WORKFLOW



Audacity®

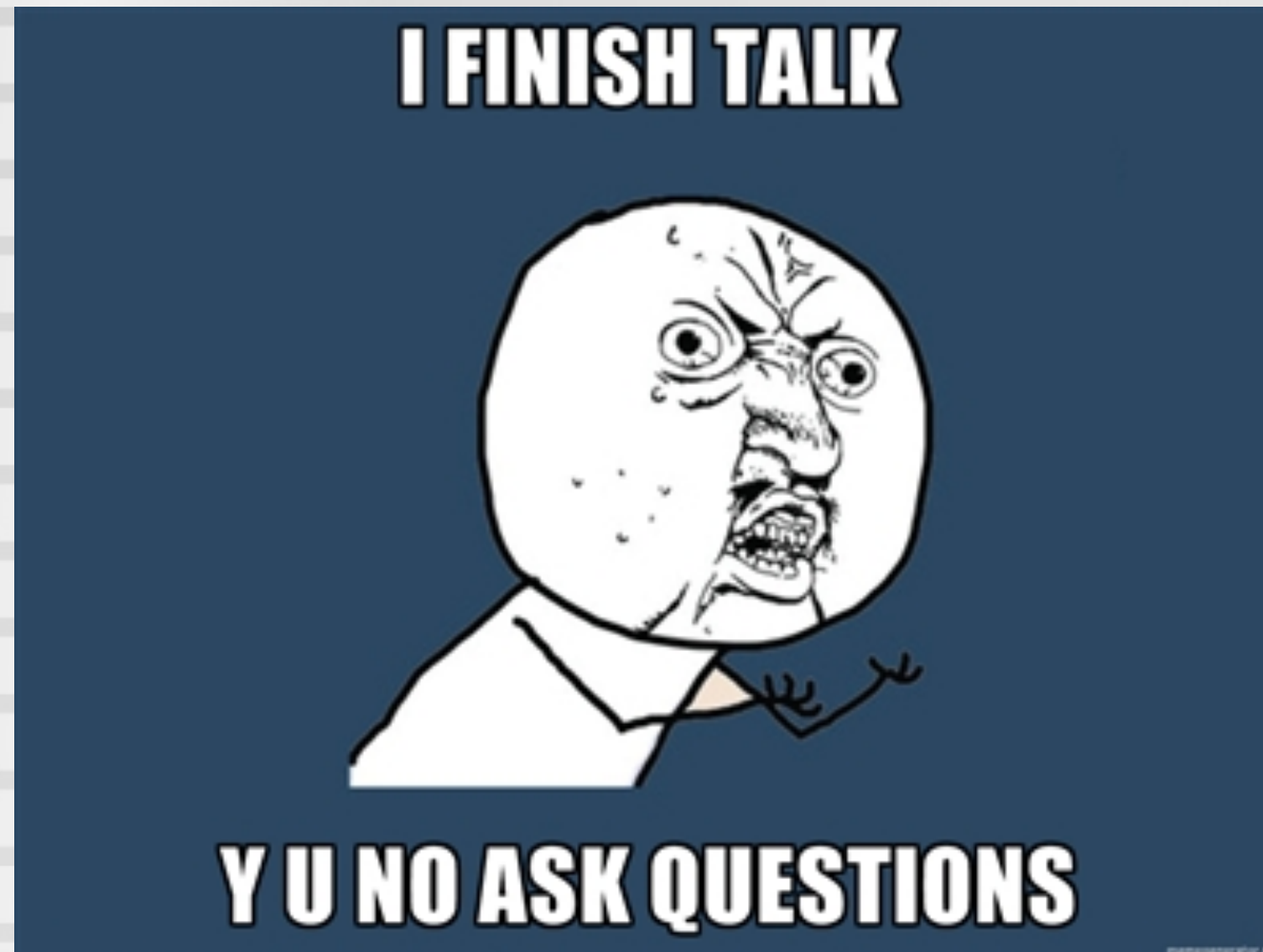
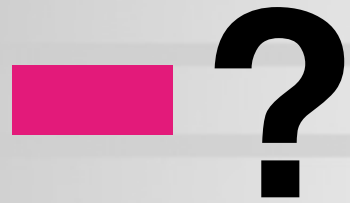


THE SIMULATION

The image is a title card for a simulation. It features a black background with a horizontal blue light streak across the middle. The text "MCT" is in large, white, blocky letters. Below it, "Mass. Casualty. Triage." is written in a smaller, white, blocky font. At the bottom, a list of menu items is displayed in white text.

MCT
Mass. Casualty. Triage.

Intro | The Briefing | The Call | Credits



RICHARD STALS

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