PROGRAM EXECUTIVE OFFICE FOR
SIMULATION, TRAINING & INSTRUMENTATION

I Want a Job in Military Simulation

Roger Smith
CTO & Chief Scientist
US Army PEO STRI

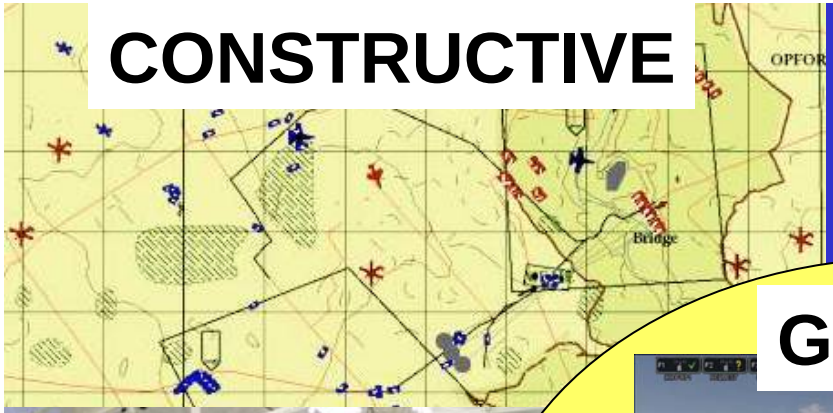
http://www.peostri.army.mil/CTO

Approved for Public Release.
Security and OPSEC Review Completed: No Issues.

Full Sail Simulation Club
21 April 2008, Orlando, FL

Military Simulations

CONSTRUCTIVE



GAMES

VIRTUAL

LIVE

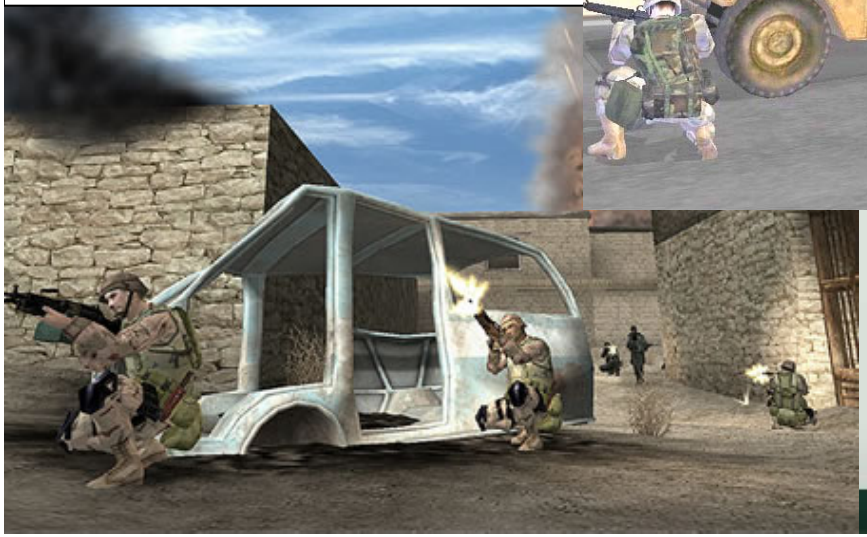
Military Games

DARWARS Iraqi Lang Trainer

IEWTPT Tactical Questioning

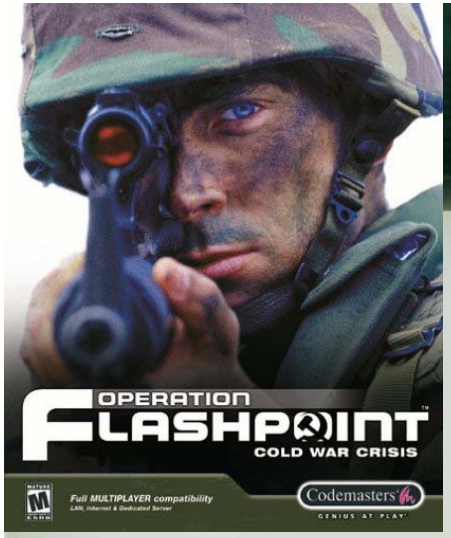
AMBUSH!

Americas Army



Full Spectrum Warrior

AMBUSH Time


OPERATION
FLASHPOINT
COLD WAR CRISIS
Full MULTIPLAYER compatibility
Codemasters
GENIUS AT PLAY

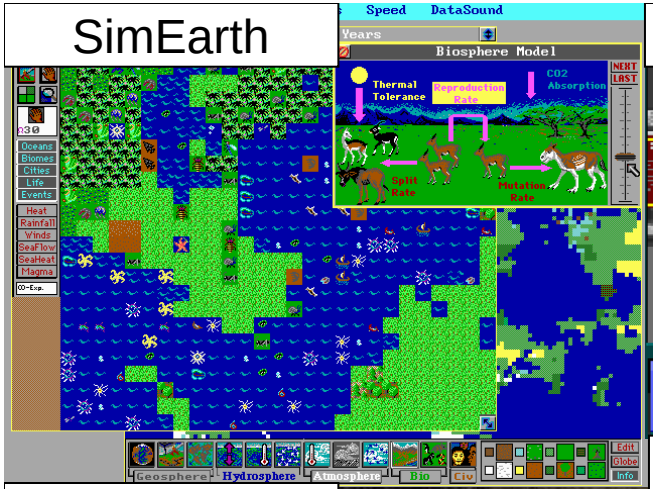
Military Simulation Industry: I Want In

- Why would I know anything about getting a job?
- Why do you want a job?
- How do you get a job?
- How can Full Sail improve your chances of getting a job?
- What to expect once you have a job?

Bio: Roger Smith

- CTO for U.S. Army Simulation, Training and Instrumentation.
- CTO & VP for Titan Systems Corp. Simulation Business
- Technical Director for Mystech Associates Simulation & Training
- Professor for UCF, Full Sail, FIT, TTU
- Lecturer at Georgia Tech, Univ Virginia, Univ Texas
- Tutorials and lectures at Game Developers Conference for 5 years
- Published 3 chapters in the *Game Programming Gems* book series
- Published over 100 papers on business innovation, simulation, and gaming
- Hold a Ph.D. in Computer Science and some other degrees

SimEarth



Wolfenstein

C & C

Diablo II

Mortal Kombat

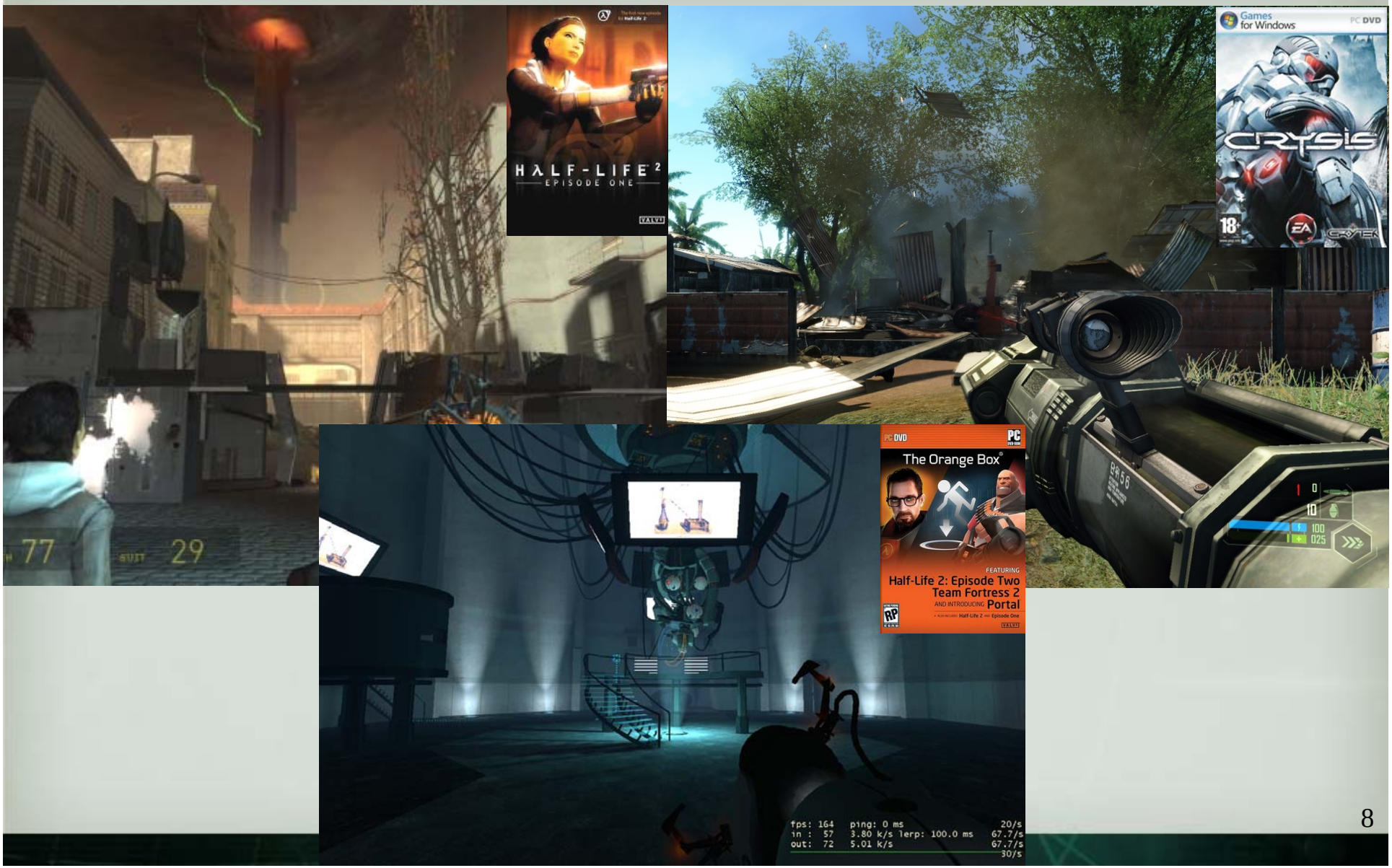
Sims Online

Quake 2

UT2003

Far Cry

More Currently



Defense M&S Business

Large System Integrators

- Lockheed Martin
- SAIC
- Northrop Grumman
- General Dynamics
- CSC

Small Business

- ECS
- JHT
- DAS
- MaK

Government

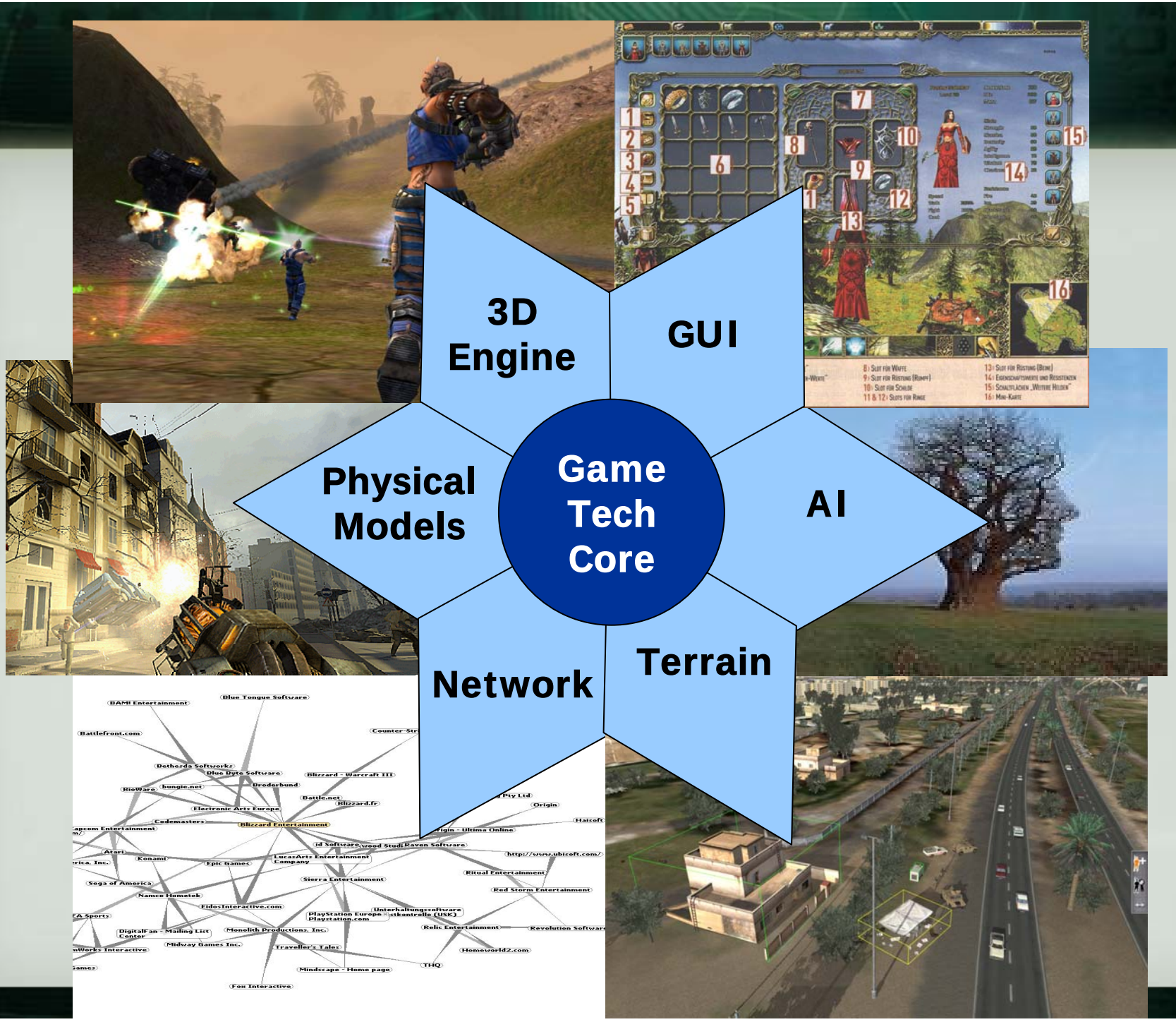
- Army, Navy, Air Force, Marine Corps

Service Providers

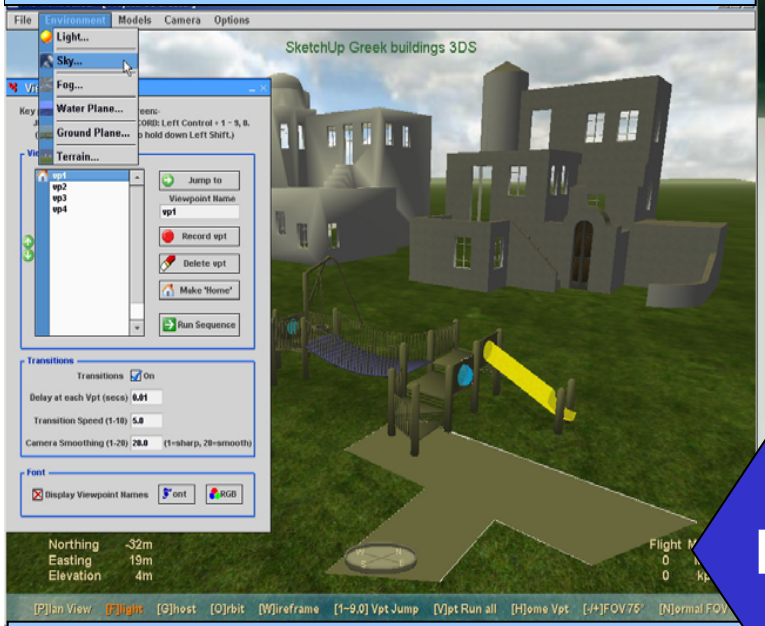
- Stanley Associates

Universities

- UCF IST
- USC ICT
- ODU
- UAH


3D Engine
GUI
Physical Models
Game Tech Core
AI
Network
Terrain

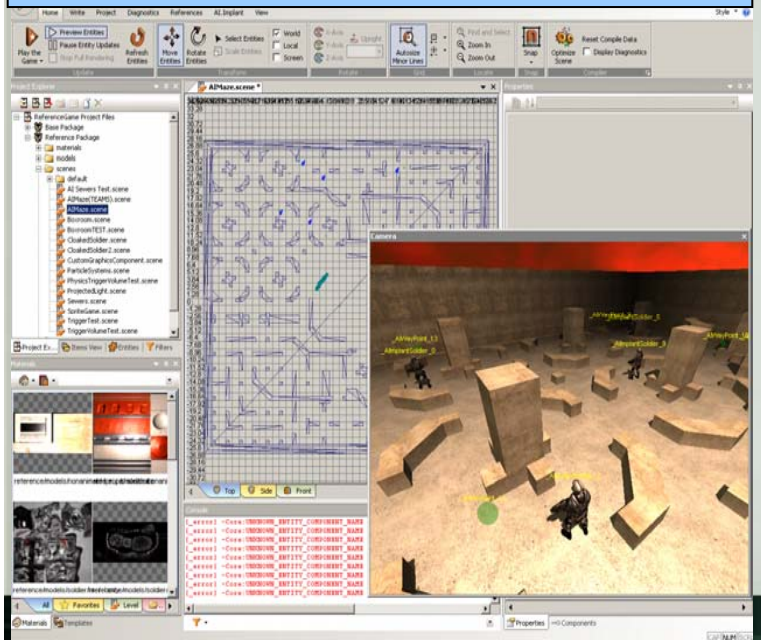
SNE Editors



Game Recording

Pre-Game

Scenario Generation



Post-Game

After Action Review

Opening the Door

- College Degree
  - BS, Technical
- Reputation of College
- Personal Appeal
  - Clean & Groomed
  - Appropriately Dressed
  - Smart & Articulate
  - Want to Work With You
- Demo at Interview
  - Few can do this
- “I’m going to grad school at …”
  - South Harmon Institute of Technology

I’m Employable

“I belong to IGDA & go to GDC”

- IGDA equal to …
  - IEEE or ACM (computers)
  - AFCEA (electronics)
  - AUSA (Army)
  - NDIA (general defense)
  - AAAA (helo pilots)
- GDC equal to …
  - I/ITSEC

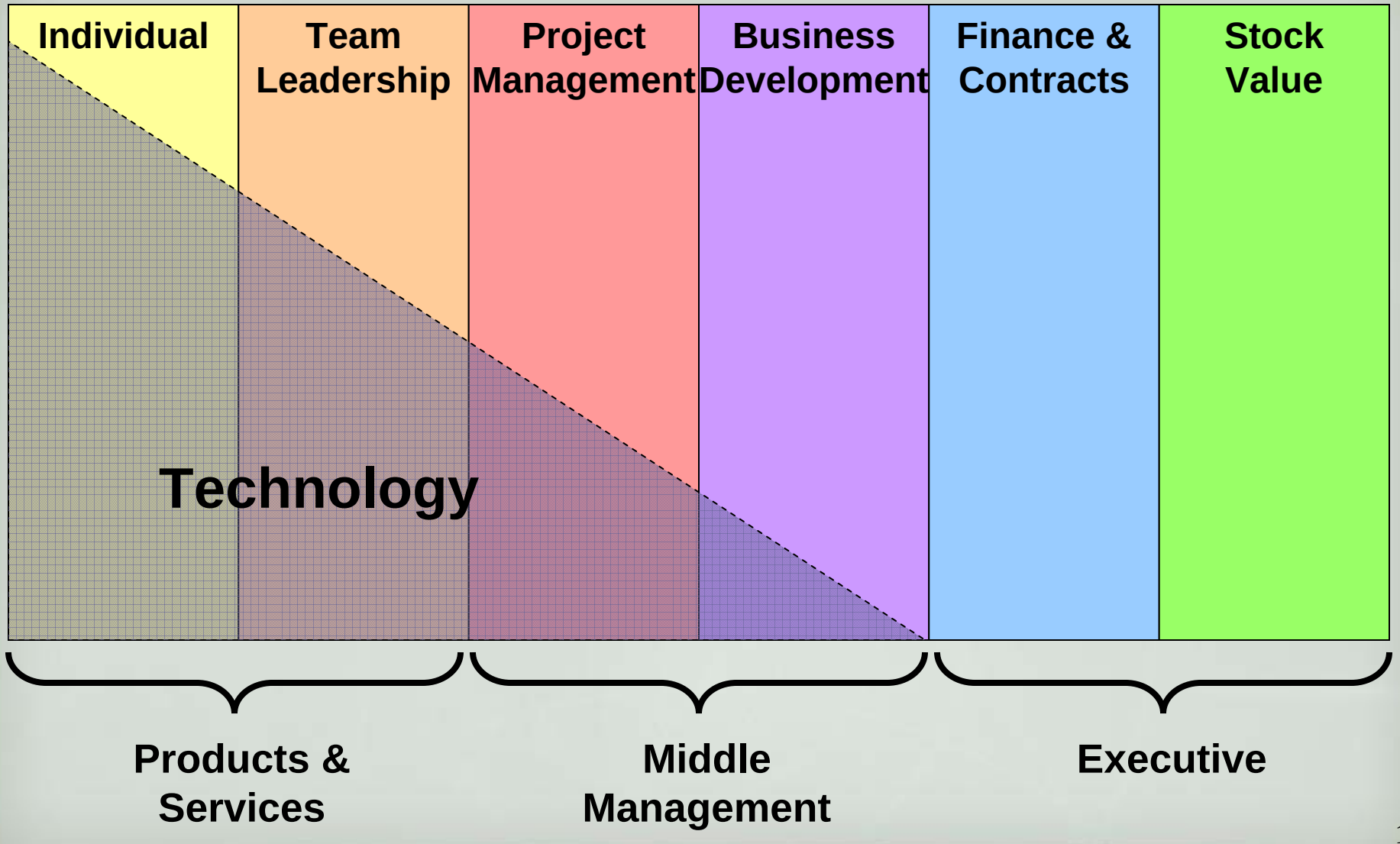
Orlando Simulation & Gaming Companies

- Lockheed Martin
- SAIC
- Northrop Grumman
- General Dynamics
- AT&T
- Alion
- Raytheon VTC
- Engineering & Computer Science
- Forterra
- DiSTI
- DSCI
- JHT
- Riptide
- Dynamic Animation Sys
- Vcom 3D

Join and frequent associations … you will find many more.
All of them post job openings on the web.
But the best jobs available are not posted anywhere.

You won't be technical forever

get the most out of your early years



What can Full Sail do to Help You?

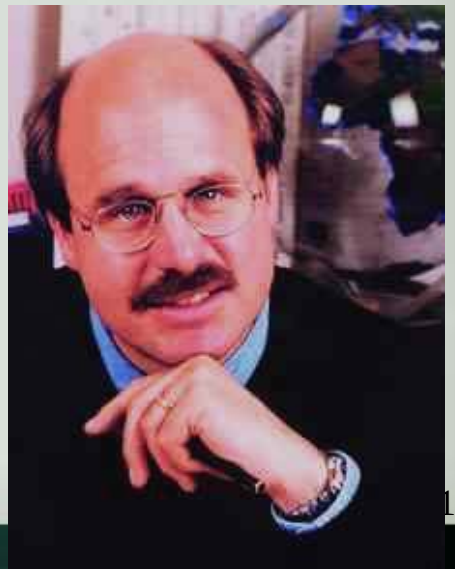
- Accreditation
  - Southern Association of Colleges and Schools
- Reputation
  - Past students make good
- Association
  - Be part of the MilSim community – conferences, associations, trade publications
- Research
  - Produce research that is directly applicable to MilSim problems

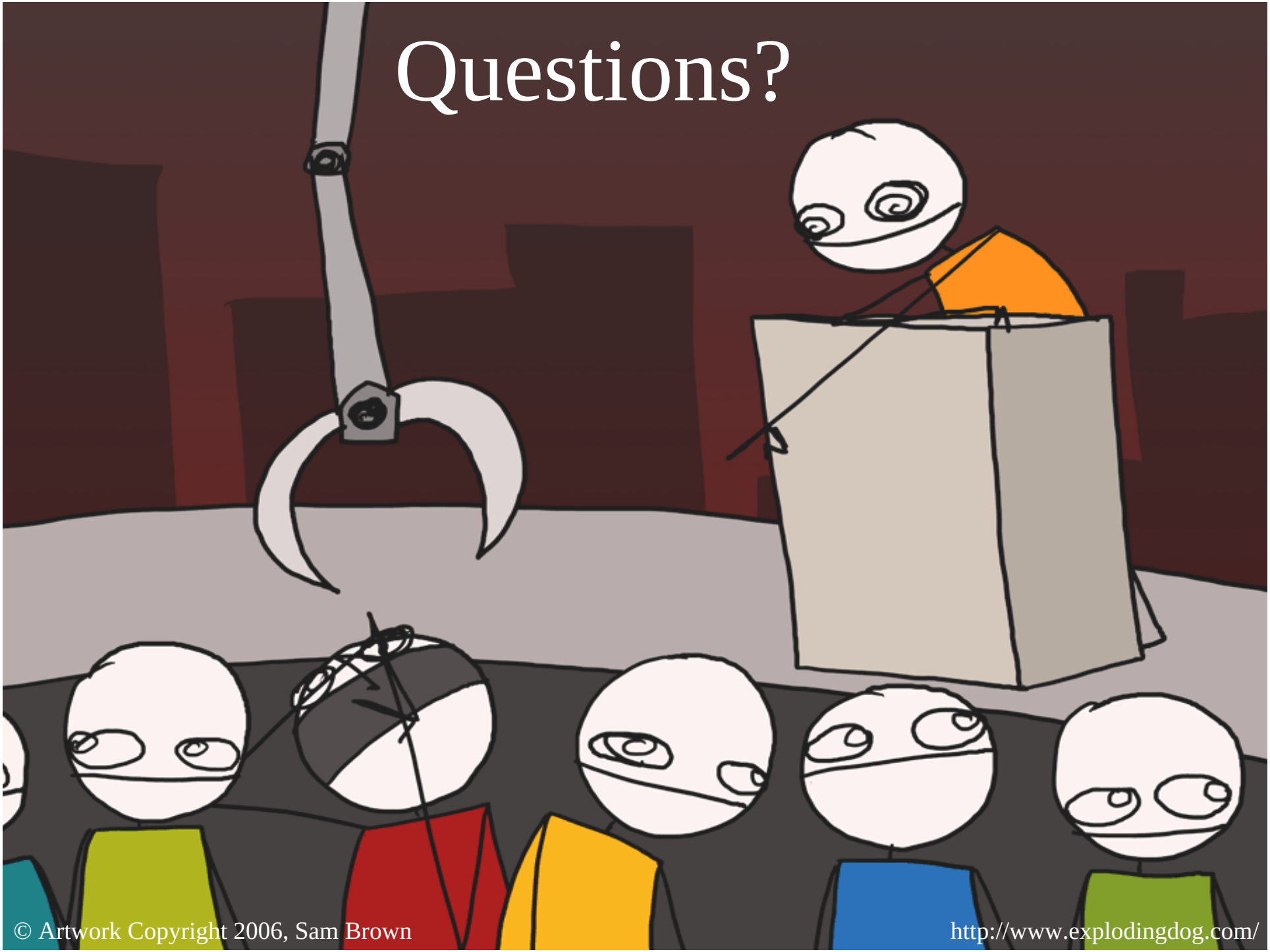
How much gaming is in Military Simulation?

"***Silicon Valley is littered with the corpses of companies who mistook a clear view for a short distance.***

"One of the secrets in my business is that everything changes slower than people imagine. Change only seems fast because people overlook the antecedents. Most ideas take 20 years to become over night successes."

Paul Saffo. (July 16, 2007).
"The Future Really is Now". *ComputerWorld*.




Questions?
© Artwork Copyright 2006, Sam Brown
http://www.explodingdog.com/