JOHN M. MILLIGAN

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EDUCATION

Rochester Institute of Technology   August 2016

Bachelor of Science in Game Design and Development

Minor: Communications

GPA: **3.95/4.0**

SKILLS

Programming Languages: C#, MEL, Swift, HTML, CSS, JavaScript, Java, C++

Software: Unity, Maya, Photoshop, Microsoft XNA, Processing

PROJECTS

Kinect Air Guitar Game:
- Used Microsoft's Xbox Kinect to track player's motions and capture them onto the screen.
- Player must match symbol on the neck of the guitar and strum the matching color on the UI guitar on the screen.

Xtreme Dodgeball:
- iOS iPhone game where player controls their character against waves of enemies.
- Player can throw straight or curve balls by either tapping or swiping towards the opponents.
- Each character the player chooses has two unique abilities.
- Opponents react based on player's actions.

3D Pirate Ship Battle:
- Animation scene of a battle between two pirate ships.
- Modeled, rigged, unraveled UVs, and animated the entire scene.
- The ships are engaged in battle until the Kraken appears and destroys both ships.

3D Animations:
- Animated multiple scenes with different pre-made rigs.
- Human interactions and conversations.
- Animal rigs interacting with each other while portraying another type of animal.

Only Human:
- Head Designer of team project.
- Card based game where one manages resources and builds an army to defeat other players and complete side missions.
- Created and balanced all units and attributes.
- Modified game based on test group user suggestions.

Space Elements:
- Duo JavaScript project, a twist to Space Invaders, with different firing mechanics and enemies.
- Programmed collisions, tutorial walkthrough, UI, and various game enemies.
- Player strategy of color coordinating the player's weapons in order to destroy enemy's ships.

EXPERIENCE

Excellus: Provider Operations Department   *June 2015- August 2015*

Collaborated with different departments on creating data libraries for Excellus's Intranet. Sorted, converted, and uploaded files to their libraries in a fashion to ease future access of data. Handled highly confidential information.

Oneida Healthcare: IT Department   *December 2014- January 2015*

Worked in the IT department of a healthcare system developing programs to efficiently standardize the internal processes of collecting data for the facility. Worked independently with new internal programming language.

AWARDS
- Dean's List RIT (2012/2013/2014/2015)
- National Society of Leadership and Success

ACTIVITIES
- Electronic Gaming Society
- Racquetball Club and Fencing Club