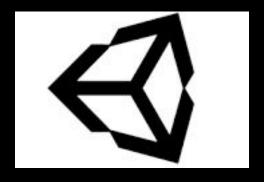
Video Game Development

Nicholas Farkash under the mentorship of Dr. Edward Currie



Key Phrases

- Code/Script
- C#
- Game Engine (Unity)



Video Game Development Team

- Programmers
- Graphic Designers
- Sound Engineers
- Level Designers
- Testers

What Goes Into Making a Game?

Programming

Write the Code

Engine Physics Al Networking UI Web Interface

Art

Create Visuals

Concept Models Environments Interface Textures Animation Particles Cinematics

Design

Create Gameplay

World Design

Documentation
High Concept
Characters
Story / Dialog
Character Moveset
Gameplay Mechanics
Interface

Audio

Create Sound

Music Sound Effects Voice Over

Quality Assurance

Testing game

Production / Management

Keep everyone on schedule

Marketing

Getting product to market / maintaining community / data analytics

Process

- Establishing Controls
- Writing the Code
- Animating
- Creating Graphics
- Creating Sound
- Level Construction

Controls

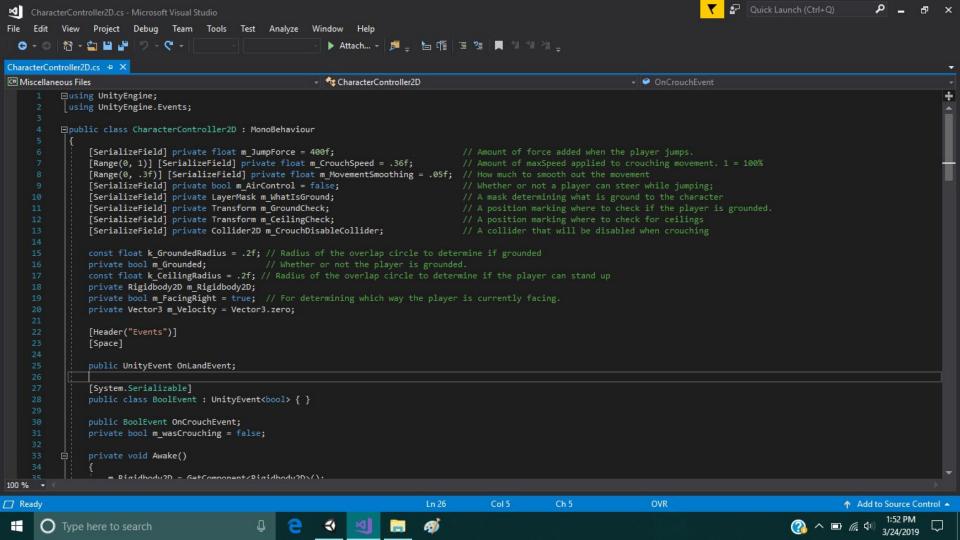
Access to Controls

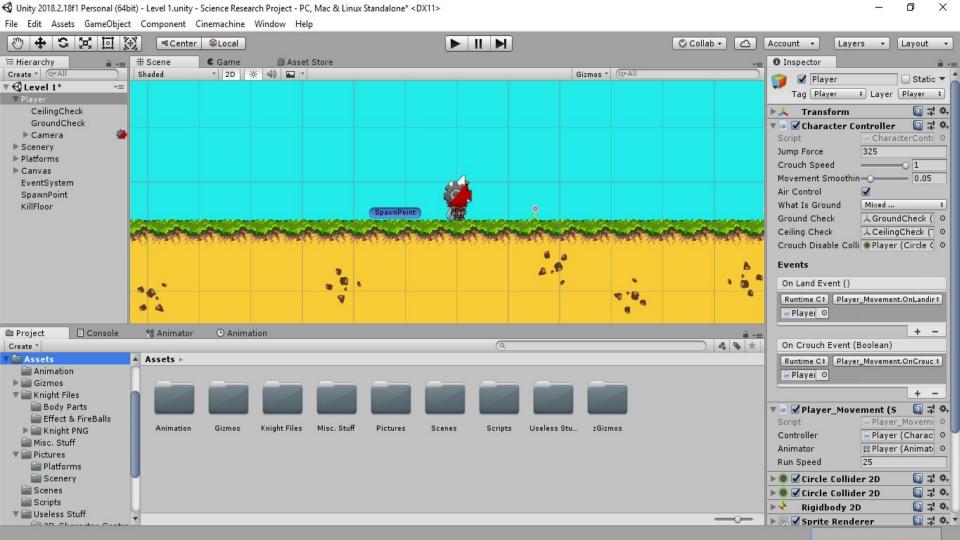


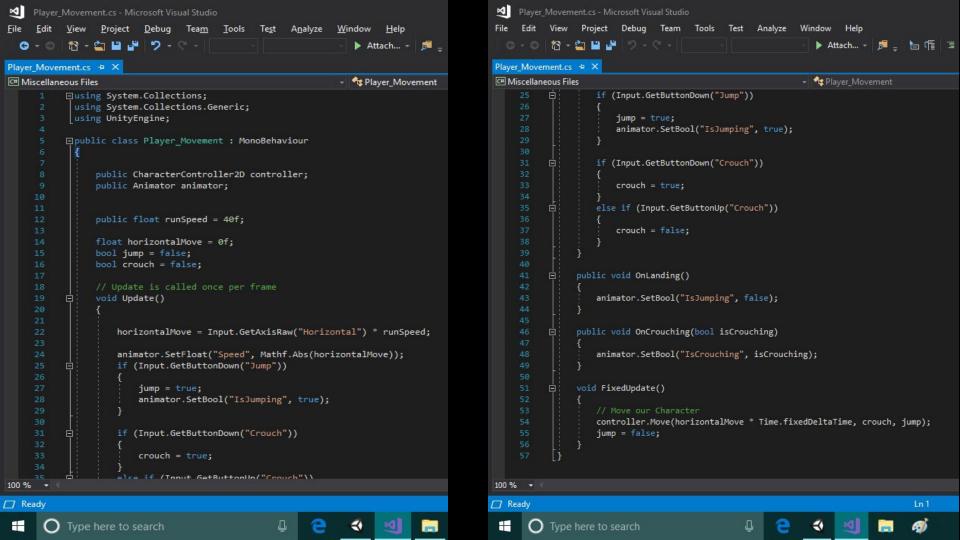
Changing Controls

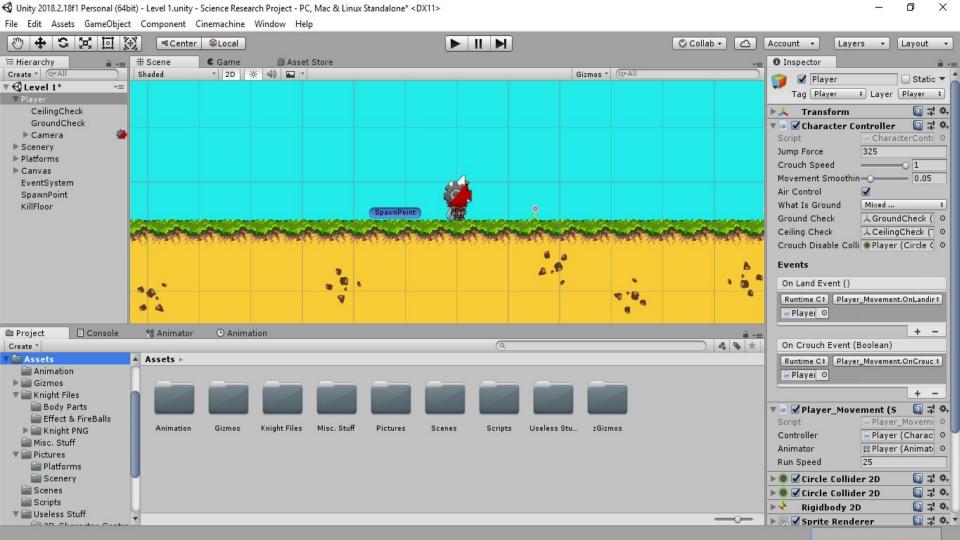
Code

- Scripts
- Character Controller
- Player Movement
- Miscellaneous Scripts





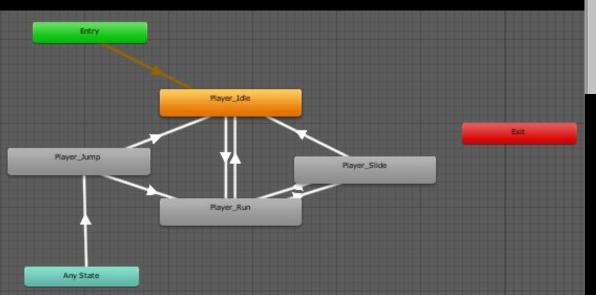




Animation

- What are Animations?
- Creating an Animation
- Using the Animator

Animator





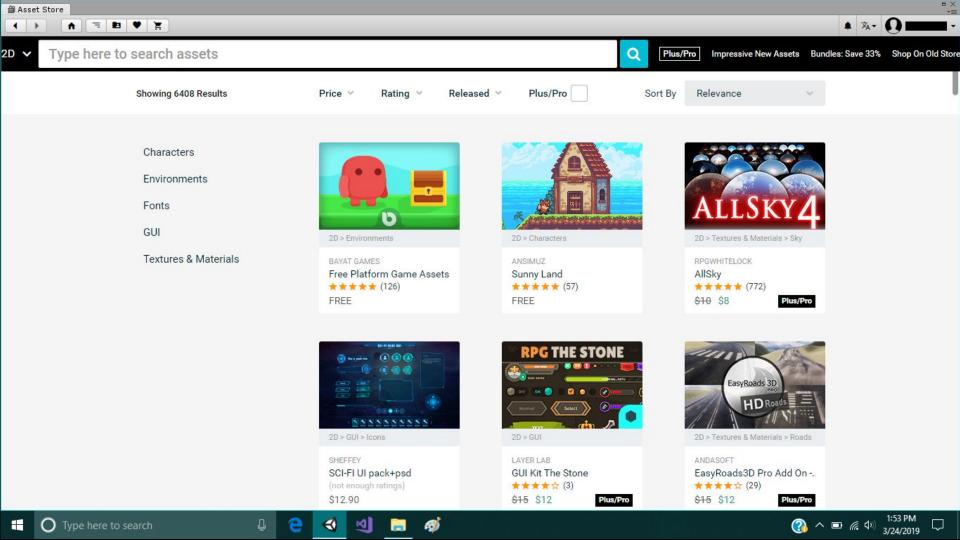
Transition

Sound and Graphics

- Bosca Ceoil
- WavePad Audio Editor
- Microsoft Paint
- Unity Asset Store

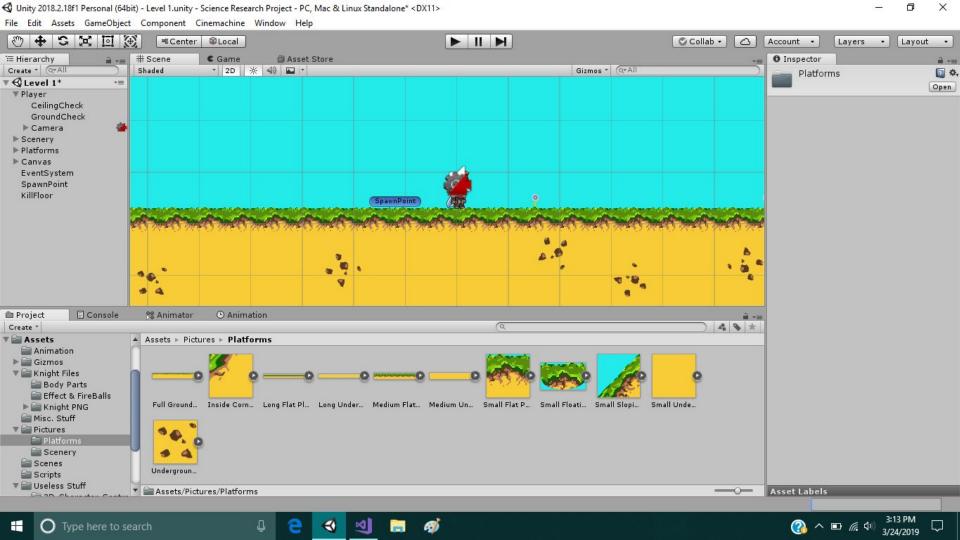


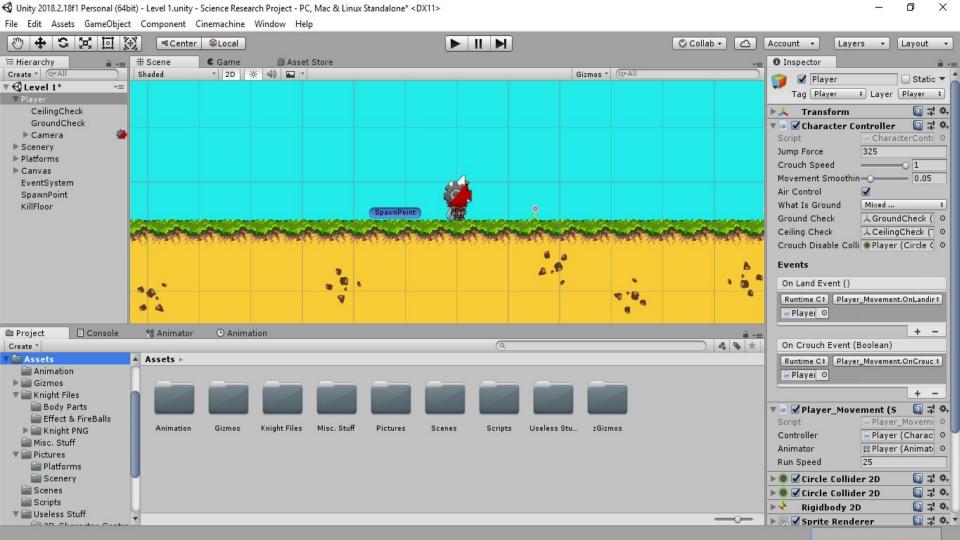




Level Construction

- Importing and Placing Assets
- Adding Components
- Testing





Future



