

Nigel Elliott Randall GAMEPLAY PROGRAMMER Phone: 973-277-5723

EDUCATION

Portfolio: nigelerandall.wordpress.com Email: nrandall@andrew.cmu.edu

Carnegie Mellon University, Pittsburgh, PA *Master* of Entertainment Technology **May 2016**

Relevant Courses: Game Design

Howard University, Washington, DC *Bachelors* in Computer Science **May 2014**

SKILLS

-
- **Proficient:** C# **Experienced:** Java C++ Python
 - Experience using Linux ,Windows, Unity 4, Git, Perforce, Visual Studio 2010-2012
 - Experience using Oculus DK2, Kinect SDK, Sony PlayStation Move SDK, XNA Game Studio 4.0

ACADEMIC PROJECTS

Building Virtual Worlds Fall of 2014

- Rapidly prototype interactive experiences in small diverse teams in cycles of 1-3 weeks
- Programmed the logic for a boss with multiple states, and functionality for spell casting on a Spell Book controller
- Developed a script to interact with objects in a virtual world by “staring” on the Oculus Rift
- Designed a puzzle experience with no instructions on the Oculus rift and used indirect control to show the player how to solve it.
- Programmed an algorithm to generate obstacles in the environment based on the players skill

EXPERIENCES & EMPLOYEMENT

Howard University Washington, DC 2011-2014
Teachers Assistant

- Assisted in managing Intro to Engineering , Computer Science I, and Computer Science II courses: Graded assignments, handled attendance
- Tutored C++, Python, Arrays, Loops, If's, Case Statements, pointers, Stacks and Queues

Microsoft Redmond, WA Summer of 2013
Windows Phone Intern

- Developed a tool to aid in finding bugs with Internet Explorer's rendering engine by using Data Trees in a Windows Form project
- Designed an interface to read in XML files, execute graphics rendering, and traverse a tree of nodes

Carnegie Mellon University Pittsburgh, PA Summer of 2012
Robotics Institute - Summer researcher

- Programmed for a robot called “Gamebot” on a Linux environment to demonstrate human characteristics while playing a game of Scrabble

MEMBERSHIPS

Upsilon Pi Epsilon ~ The National Honor Society for Computing Technology
National Society of Black Engineers