Jonathan Morales

570.977.2847
JonMorales2.718@gmail.com
Portfolio: www.voyagerhigh.com
2345 Story Ave. Bronx, NY 10473

Education

East Stroudsburg University
B.S. Computer Science, Minor in Mathematics – May 2018 (Expected)
 · Coursework – C++, C#, Java, Software Engineering, Data Structures & Algorithms, Operating Systems, Artificial Intelligence, Graph Theory, Unity Game Development

Programming Experience

Filtershot (photo editor)
 · Utilized object-oriented design patterns to collaborate with 30 programmers on a command-line photo application

ESU Robotics Competition (Mindstorms/LeJOS robot)
 · Programmed A-star search algorithm to navigate a floor maze
 · Utilized LeJOS library to facilitate communication between sensors and motors in order to provide locomotion to robot

3D Asteroids Game (Desktop)
 · Utilized Unity's Shuriken engine to create particle explosions
 · Used 3D physics engine to create realistic player movement and shooting mechanism, including homing missiles

2D Platforming Game (Desktop)
 · Coded base functions for game (scoring, level navigation, etc.)
 · Created sprite animations and dynamically-sized obstacles

A Modern Ghost (iOS app)
 · Programmed exponential decay / growth function to manage user swipe input for an interactive story
 · Nominated for Bouremouth University's 2017 New Media Prize

Portfolio Website (Wordpress)
 · Utilized Bootstrap and Wordpress to create a visually Appealing and stunning website
 · Designed and coded website to showcases projects using Javascript, HTML, and CSS
 · View at: www.voyagerhigh.com

Computer Skills

Languages
 · C/C++/C#
 · Java
 · SQL
 · Perl
 · Prolog / LISP
 · JavaScript
 · Assembler
 · XML
 · Git

Software
 · Xcode
 · Visual Studio
 · Unity
 · Blender
 · SVN
 · Microsoft Office

Operating Systems
 · Windows (7/8/10)
 · Mac OS
 · Linux (Fedora/Debian)

Work Experience

Programming Intern – Müz Entertainment (Jan 2015 – May 2016)
 · Program functionality for user input and animations for interactive novels

Sales Associate – Weis Quality Markets (Jun 2015 – Dec 2017)
 · Maintain/stock produce; provide exceptional customer service