

Arnel Jerome Adviento

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Education

Bachelor of Science in Computer Science

(2013 - 2018)

Faculty of Science, University of Calgary

Skills

Programming Languages: Proficient with Java, C#, Python, experienced with C++, JavaScript, HTML5.

Technologies/Environment: Linux, Windows, OSX, Git, IntelliJ, Unity, Visual Studio, Network Protocols.

Projects

Alfonso the Bard - Calgary Game Jam

2017

<http://globalgamejam.org/2017/games/alfonso-bard>

- Collaborated with 2 fellow peers in designing a top-down RPG game in Unity written in C#.
- Implemented a radial menu system able to have modular selections as well as programming the character and npc movements.
- Handled the integrations of music, sprites and animations into the game from outside sources.
- Designed all map layouts for the game with the use pre-existing assets in Unity.

The Story of Yoshitsune - Visual Novel

2016

- Developed a dialogue system in C# which reads in a specifically formatted text file to then be displayed in the game screen.
- Incorporated backgrounds and music assets along with characters created through the use of a character creation software.

Guitar Tab Maker

2016

- Created a user interface using JavaFX for users to efficiently create guitar tablature.
- Designed a Java application to capture user input from the interface to generate a docx file using Apache POI artifacts.

Narratus - Calgary Game Jam

2016

<http://globalgamejam.org/2016/games/narratus>

- Cooperated with a group of 9 other individuals in a story driven gameplay consisting of multiple mini-games developed in Unity.
- Programmed the 2D fighter section of the game in C# which included user control, enemy AI and user interface.
- Integrated various assets from multiple members who created artwork, animation, music and sound effects for the game.

Extracurricular

Member

2014 - Present

Problem Solving Club - University of Calgary

- Attend weekly sessions to learn various programming algorithms and participates in local practice contests held on Kattis.
- Current placed top 3 in the club's leaderboards.

Vice President of Teaching

2016 - Present

Ori-Aid Club - University of Calgary

- Demonstrated and explained instructions to club members in ways that are easily understandable.
- Conducted interviews to candidates applying for future executive positions.

Programming Competition

2015 - Present

- Placed 19th out of 38th in the 2016 Calgary Collegiate Programming Contest as a solo individual.
- Competed with 2 fellow peers in the 2016 Alberta Collegiate Programming Contest to further develop problems solving skills.