

Charles Williams

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- OBJECTIVE:** To obtain a cooperative education position in the Software Development field with a particular interest in Video Game Development. Available Summer/Fall of 2016.
- EDUCATION:** **Rochester Institute of Technology,** **Rochester, NY**
Bachelors of Science in Game Design and Development *May 2018*
Predicted Minor in Software Engineering *May 2018*
Cumulative GPA: 3.12
- PROJECTS:** **Billiards Simulation** *March 2016 – Present*
Currently programming a physically accurate, 3D simulation of the bar game “Billiards” in C++ using OpenGL.
- Legion** *November 2015 – Present*
Utilized advanced steering and flocking algorithms programmed in C# using Unity3D to recreate Roman soldiers marching in formation following a leader.
- The Cabin** *October 2015 – December 2015*
Worked with a team to model, texture, and animate a 3D rendering of a 19th century log cabin in Unity.
- RIT RPG** *February 2015 – May 2015*
Implemented class hierarchy and various algorithms for turn based combat in this Final Fantasy inspired game developed using C# in Monogame. Worked with a team to develop game to completion.
- SKILLS:** **Programming Languages:**
- **Proficient with:** C#, Processing, HTML, CSS
 - **Comfortable with:** C++
 - **Novice with:** JavaScript, Java, Python
- Software:** Unity, Visual Studio, Maya, Notepad++, Adobe Photoshop, Monogame
- Other:** Basic German, Basic Spanish
- EXPERIENCE:** **Uncommon Tutor** **Rochester, NY**
Rochester Prep High School *August 2015 – Present*
Assisted and encouraged struggling Inner City high school students with subjects such as Algebra, Geometry, Global History, and Literature.
- Team Member** **Jackson, NJ**
Six Flags Great Adventure *June 2014 - September 2014*
Worked with a Team as a game stand manager inviting guests to play games and win prizes.
- ACTIVITIES/
HONORS:**
- Dean’s List Fall Semester 2015
 - Co-Founder/Events Head of RIT’s History Club
 - Assistant Wrestling Coach
 - Member of RIT club Rugby Team