|  |  |
| --- | --- |
| Connor James Rice http://screamconjoiner.github.io/ | 2380 Willow Tree Grove, Apt 302  Colorado Springs, CO 80910  (612) 666-5555  connor.rice@coloradocollege.edu |

# Education

**The Colorado College**, Colorado Springs, CO Aug. 2011 – Present

4th year pursuing a Bachelor of Arts. Double Major in Computer Science and Music.

Cumulative GPA: 3.54

*Relevant Coursework:* Computer Science 1 (Intro to Java), Computer Science 2 (Data Structures and Algorithms), Computer Security, Object-Oriented C++, Application Design, Computer Graphics, Cross-Platform Game Development.

# Work Experience

**Digital Humanities Research Assistant**

The Colorado College, CO May 2014 – August 2014

* Developed a suite of tools designed to aid in the production of a musical critical edition.
* Collaborated with Professor Ryan Bañagale to design software as well as create musical transcriptions.
* Graphical User Interface written in Java/Swing, with capability to be ported to Android.
* Received Mellon Foundation grant to further development of project.

# Projects

**Short Circuit**

* Cross-platform tower defense game written in Java/jMonkeyEngine.
* Large-scale project with over 80 individual class files, organized in a detailed package structure.
* Features custom implementations of A-Star pathfinding, XML parsing, and object serialization, as well as extensive use of multi-threading.
* Utilizes custom data structures designed specifically for project.

**Other Games**

* C++/CLI implementation of the game Yahtzee.
* Lightweight Java Games Library project based upon manipulation of 2D shapes.
* Also ported LWJGL game to a custom engine built using Java’s AWT Graphics library.

**Data Structures and Algorithms Portfolio**

* Java implementations of Binary Search Tree, Graph, Min/MaxHeap, Queue, Stack.

# Skills

**Software**

* Proficient with Java, Python, NetBeans IDE, Git/GitHub, and Unix/Linux.
* Comfortable with Gradle, Ant, C/C++, Microsoft Visual Studio 2010/2013, and EMACS.
* Some experience with Ruby on Rails, Apache Tomcat, and GlassFish.

**Hardware**

* Very experienced in designing and building personal computers, as well as deploying Linux to custom-built machines.
* Comfortable with programming/designing Arduino devices, as well as installation of Trusted Platform Modules (TPM).