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

# Projects

**Algorithms**

* Implementation of various algorithms, including: MergeSort, QuickSort, Dijkstra’s, Kruskal’s, Graph m-Coloring, Hamiltonian Path, Prim’s, as well as the ability to hybridize arbitrary sorting algorithms at a given threshold.

**Short Circuit**

* Cross-platform tower defense game written in Java
* Features implementations of A-Star pathfinding (graph), XML parsing -> object serialization, concurrency, custom data structures, and original sound design.

Many more of my projects are available to be viewed on my GitHub page, linked underneath my name.

# Skills

**Software**

* Proficient in Java, Python, NetBeans IDE, Git/GitHub, and Unix/Linux.
* Very comfortable with C/C++, Gradle, Ant, Microsoft Visual Studio 2010/2013, EMACS

**Music**

* I have been playing music since I was 6. I have recently completed a music major where I received training in musical performance, musicology, composition, and transcription. I wrote my thesis on the future of Musical Editions, as enhanced by technology. I have been involved with a myriad of different musical groups, from rock bands to new music ensembles to Indonesian gamelan.

# Education

**The Colorado College**, Colorado Springs, CO Graduating May 2016

Bachelor of Arts. Double Major in Computer Science and Music.

Cumulative GPA: 3.35

*Relevant Coursework:* Data Structures and Algorithms (Java), Computer Security, Object-Oriented C++, Application Design, Computer Graphics, Cross-Platform Game Development, Discrete Math, Probability and Statistics, Theory of Computation, Analysis of Algorithms, Database Systems.

# Work Experience

**Software Engineering Intern**

CA Technologies, Colorado Springs CO May 2015 – August 2015

* Developed a wrapper between Jenkins and automated test units in Python, automating tedious human work and saving work time.
* Software debugging on commercial software.
* SCRUM/Agile participant (Sprint planning, story writing, mindset).
* Worked with a large variety of interesting technologies including (but not limited to):
  + Release Automation (RA) software (Nolio)
  + Jenkins
  + SonarQube

**Digital Humanities Research Assistant**

The Colorado College, CO May 2014 – May 2015

* Received Mellon Foundation grant to transcribe *Rhapsody in Blue* for upcoming Gershwin musical edition.
* Produced numerous musical transcriptions for publication.