

Connor James Rice

<http://screamconjoiner.github.io/>

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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.
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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.