

Ryan Stutzman

Visual and Performing Artist
Programmer
Educator

Personal Info

E-mail

ry.stutz@gmail.com

Website

ryanstutzman.org

Skills

Audio Visual Engineer

Backend Web Developer

Graphic Designer

K-12 Arts Education

Post-Secondary Music Education

Professional Musician

Project Manager

Relationship Manager

Software

Ableton Live

Adobe Creative Cloud

Adobe Connect

CSS

Finale

Garage Band

HTML5

JavaScript

Linux/Ubuntu

Max/MSP/Jitter

Microsoft Office

Mac OS

React/Redux

SmartMusic

Sibelius

Super Collider

WebAudio API

Windows

My objective is to create an aesthetic and user-friendly experience through multimedia technology. To achieve this is to engage in the theory, history, and practice of technology and to promote the growth of multimedia technology through research, problem-solving, collaboration with industry professionals, and continued educational pursuits.

AUDIO VISUAL ENGINEERING AND TECHNOLOGY EXPERIENCE

Spring 2018- **Board of Directors for Colorado Wind Ensemble**

Present
Colorado Wind Ensemble
Denver, CO

- Responsible for designing and creating the concert program including new vector graphics
- Photograph and record live concerts for digital publication on social media and web platforms
- Collaborate with president of the board to create interactive experiences for audience members

Fall 2015- **Director of Music Technology and Interactive Media**

2018
Frederick High School
Frederick, CO

- Lead courses in graphic design and digital media using Adobe Creative Suite
- Created easy-to-use recording/audio/video setups for student and faculty needs
- Over 30 students passed Adobe Certification Exams in Photoshop, Illustrator, and InDesign

Spring 2017 **National Trumpet Competition Audio Engineer**

Metropolitan State University of Denver
Denver, CO

- Solely provided sound design for the 2017 National Trumpet Competition
- Problem-solved and rerouted the audio pathway away from broken master output channels on the house soundboard
- Improved the microphone setup by using personal and house microphones

2014-2015 **Masters Thesis, Indiana University Purdue University Indianapolis**

Indiana University-Purdue University Indianapolis
Indianapolis, IN

- Developed a color synthesizer in a GUI-based software in 16 weeks
- Overwhelmingly positive community response from beta-testing the prototype in Windows and OSX
- Published the research proposal, findings, and future developments

Fall 2014 **PASIC Technology Day Audio/Visual Engineer**

Indiana University-Purdue University Indianapolis
Indianapolis, IN

- Facilitated positive and warm relations with musicians for sound design, stage, equipment setup
- Artistically recorded, audio mixed, and video recorded live performances using instrument-appropriate microphones and high-definition cameras.
- Successfully executed twelve concerts with no errors and high musician/audience fulfillment

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TEACHING EXPERIENCE

Spring 2018-

Assistant Director, Horizon High School Bands

Present

Thornton, CO

- Facilitate organizational restructuring of the program to increase visibility and productivity
- Developed student leadership roles to create a top-down model for instruction and constancy in implementation
- Provided counsel and collaboration to help guide achievement of long-term organization goals

Fall 2015-

Director of Music Technology and Interactive Media

2018

Frederick High School

Frederick, CO

- Constructed previously non-existent multimedia technology courses in audio and video production using industry standard software
- Related and created relevance toward historical technological epochs to advances in video and sound production
- Developed student problem solving for real-world audio-visual production challenges

Fall 2014-

Associate Instructor, Music Theory

2015

Indiana University-Purdue University Indianapolis

Indianapolis, IN

- Fostered proficiency and interest in theoretical music analysis through demonstrated student comprehension
- Synthesized practices of ancient Western music elements with modern composition
- Prepared and shared salient examples of core musical concepts to communicate strong and relevant lessons

Fall 2008-

Caption Head, Legacy High School Bands

Present

Broomfield, CO

- Increased efficiency and timeliness of rehearsal strategies in a 200-member ensemble
- Developed student leadership roles to create a top-down model for instruction and constancy in implementation
- Prepared and taught wind pedagogy/fundamentals including 12 major scales and seven modes.

2013-2015

Caption Head, Music City Drum and Bugle Corps

Nashville, TN

- Defined and unified marching technique and protocol leading to highest scoring placement in corps history
- Developed a strong community with variety of age groups and ability levels (Middle-Collegiate)
- Incorporated previously non-existent ballet and modern movement in performance

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TEACHING EXPERIENCE CONTINUED

Fall 2010-
2015

Instructor, Fairview High School Bands

Boulder, CO

- Reconstructed the focuses and traditions of the band to be beneficial and productive
- Advanced student metacognition and self-efficacy through reflective questioning
- Established a history of success based on excellence.

Fall 2010-
2012

Caption Head, D'Evelyn High School Bands

Morrison, CO

- Implemented a new program philosophy
- Turned a low achieving band into a state recognized champion in two years.
- Created a self-sustaining organization that continues to demonstrate excellence every year

OTHER RELEVANT EXPERIENCE

2009, 2011

Hornline Member, Phantom Regiment Drum and Bugle Corps

Rockford, IL

- Drum Corps International World Class Finalist
- Learned from a diverse and knowledgeable staff
- Performed nationally for over 100,000 spectators

2005, 2006,
2008

Hornline Member, Blue Knights Drum and Bugle Corps

Denver, CO

- Drum Corps International World Class Finalist
- Practiced concepts such as: teamwork and self-discipline
- Toured nationally on a bus for three months

EDUCATION

2014-2015

Indiana University-Purdue University Indianapolis, Indianapolis, IN

2011-2013

Metropolitan State University of Denver, Denver, CO

2008-2010

University of Colorado Boulder, Boulder, CO

2007-2008

Bethel College, Newton, KS

2003-2007

Legacy High School, Broomfield, CO

Fall 2017

Professional Teaching License, Colorado Department of Education

Spring 2015

Master of Science in Music Technology

Spring 2014

K-12 Music Licensure, Colorado Department of Education

Fall 2013

Bachelor of Music Education, Instrumental

CERTIFICATIONS

Fall 2017

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Spring 2015

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Spring 2014

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Fall 2013

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AWARDS AND HONORS

2017	Denver Philharmonic Orchestra Emmy Best Arts Feature
2017, 2016, 2009, 2008, 2006	5A Marching Band State Champion, Legacy High School
2011	2A Marching Band State Champion, D'Evelyn High School
2015	Conducted and cued the Cannon Section of Tchaikovsky's 1812 Overture
2015	Published Sonification of Digital Image Pixel Data
2015, 2013	Drum Corps International Open Class Finalist, Music City
2015	5A Third Place Marching Band State Champion, Fairview High School
2014	Full Tuition Scholarship, Teaching Assistantship, IUPUI
2013	Colorado Department of Education Dedication Award
2013	Colorado Department of Education Curriculum Development
2013	American Orff-Schulwerk Conference Presenter
2013	Drum Corps International World Semi-Finalist, Music City
2013, 2012	Music Talent Award Scholarship, MSU Denver
2011, 2009, 2008, 2006, 2005	Drum Corps International World Class Finalist, Blue Knights, Phantom Regiment
2007	Top Scholarship for Music, Bethel College
2007	John Phillip Sousa Band Award, Legacy High School
2007	Outstanding Service Award, Legacy High School

INTERESTS

Audio Synthesis, Computer Programming, Composition, Competition, Photography, Polaroid, Mountain Hiking, Backpacking, Lego, NASA, Radio Telescopes, International Space Station, Aeronautics, Spaceships, Astronomy, Telescopes, Soldering, Circuits, Video Games, Illustration, Reading, Watching Movies, Organization, Brass Instruments, Minimalism, Analog Synthesizers, World Travel, World Music, World Cultures, Technology, Programming, Technical Manuals, Fashion, Carl Sagan, Space, Stephen Hawking, Kurt Vonnegut, Science, Science Fiction, Physics, Astrophysics, Calligraphy, Architecture, Art Deco, Frank Lloyd Wright, Philip Glass, David Maslanka, Dmitri Shostakovich, Debussy, Poulenc, Stravinsky, Faraday, Richard Feynman, Animation, Multimedia, Steve Jobs, Bill and Linda Gates, Systems, Solar Panels, Renewable Energy, Dyson Spheres, Anthropology, Archaeology, Rockstars, David Bowie, Nikola Tesla, Plants, Graphs, Topography, Orienteering, Metal Smithing, Automobiles, Voyager, Curiosity and Opportunity Rovers, Robots, Moore's Law, Singularities, Fermi Paradox, Neutrinos, Black Holes, Worm Holes, Interstellar Travel, J.R.R. Tolkien, Kip Thorne, Philip K. Dick, Issac Asimov, Amy Vanderbilt