

# Jonathan Mendez

55 Phillips Drive, Old Bridge, NJ 08857  
(732) 991-1950 | me@jonathanwmendez.com  
<https://www.jonathanwmendez.com>

## EDUCATION

Allegheny College, Meadville, PA  
Bachelor of Science – Computer Science (double major Music)

*Expected Graduation: May 2020*  
*GPA: 3.00/4.00*

**Senior Thesis:** Tonal Shift: An Optical Music Recognition Application

- Independent research project that is currently being written and orally defended
- Music application that made music transposition a smooth and streamlined process

## Relevant Computer Science Courses:

Discrete Structures, Computer Organization, Algorithm Analysis, Programming Languages, Software Engineering, Compiler Development, Web Development, Database Systems, Data Analytics, and Robotic Agents

## Relevant Music Courses:

History I: Greece-1750, History II: Styles: 1750-1900, History III: Music Literature, Music Theory III, Styles: Post-Tonal Music, and Independent Study: Conducting

## WORK EXPERIENCE

**Independent Contractor,** Bull Moose Marketing, Meadville

*May 2018 – May 2020*

- Responsible for editing websites and different social platforms for clients
- Worked both in office and remotely
- Certified: Inbound Marketing

**Intern,** Bull Moose Marketing, Meadville

*January 2018 - May 2018*

- Learned the basics of marketing and the inbound methodology
- Certified: Inbound Marketing

**Teaching Assistant,** Computer Science Department, Allegheny College

*September 2018 – May 2020*

- Helped students understand course materials and supervised lab and practical sessions

**Stage Manager,** Music Department, Allegheny College

*September 2017 – May 2020*

- Manage stage setup for music affiliated concerts and weekly rehearsals
- Assisted building coordinator with office tasks

**Band Camp Assistant,** Band Camp for Adult Musicians, Allegheny College

*Seasonally June 2016 – May 2020*

- Responsible for organizing music folders and ensuring equipment was accounted for
- Managed stage setup for rehearsals and the concert
- Assisted campers with questions and music related requests

**Instructor,** Old Bridge High School Marching Band, Old Bridge, NJ

*Seasonally August 2016 - Present*

- Responsible for educating students in marching and playing fundamentals and technique
- Traveled with the organization to competitions to supervise and prepare students
- Choreographed movement and helped students excel at show music and exercises

**Private Instructor,** Music Department, Allegheny College

*August 2018 – May 2020*

- Responsible for educating a student on fundamentals and technique
- Often analyzed student's achievable repertoire and student's audition materials
- Met once a week for a half an hour

## COURSE PROJECTS

**Software Engineer,** Music Sentiment Analyzer, Allegheny College

*January 2018 - May 2018*

- Worked in team to generate music based on text file sentiment
- Tasked with creating the music generator and taking in the generated sentiment
- Focused on implementing query functions

**Data Scientist,** Reddit Sentiment Analysis Project, Allegheny College

*January 2018 - May 2018*

- Worked in a team to parse through millions of Reddit comments to find hate speech

- Utilized tools like HateSonar and RStudio to parse and analyze data
- Leveraged Python and Bash scripting to automate Sentiment Analysis on Reddit Comments

**Web Developer**, WebAdvisor Project, Allegheny College

*January 2017 - May 2017*

- Worked in team to develop a mobile ready version of the college's WebAdvisor site
- Used HTML, CSS, and JavaScript to develop the site

## ENSEMBLE EXPERIENCE

**Wind Symphony**, Music Department, Allegheny College

*August 2016 – May 2020*

- Instrument: Euphonium

**Wind Ensemble**, Music Department, Allegheny College

*January 2017 – May 2020*

- Instrument: Euphonium

**Civic Symphony**, Music Department, Allegheny College

*August 2017 – May 2020*

- Instruments: Tenor Trombone and Bass Trombone

**Jazz Band**, Music Department, Allegheny College

*August 2017 – May 2020*

- Instruments: Tenor Trombone and Bass Trombone

**Brass Quintet**, Music Department, Allegheny College

*August 2017 – May 2020*

- Instruments: Tenor Trombone and Tuba

**Trombone Ensemble**, Music Department, Allegheny College

*August 2018 – May 2020*

- Instruments: Tenor Trombone and Bass Trombone

**Brass Ensemble**, Music Department, Allegheny College

*January 2019 – May 2019*

- Co-conducted and rehearsed ensemble as part of an independent study
- Arranged "Elsa's Procession to a Cathedral" by Richard Wagner for the ensemble
- Instruments: Euphonium

## ADDITIONAL EXPERIENCE

**Intercollegiate Band**, Music Department, Allegheny College

*August 2016 – May 2020*

- Selected to participate in Pennsylvania intercollegiate band
- Selected to participate in College Band Directors National Association (CBDNA) conference
- Instrument: Euphonium

**Lessons**, Music Department, Allegheny College

*August 2016 – May 2020*

- Participated in weekly hour-long private lessons mentored by Dr. Ronald Stitt
- Lessons include euphonium and trombone performance, composition, and beginner piano

**Performer**, Drum and Bugle Corps, The Cadets

*December 2016 - August 2017*

- Auditioned for and was selected as a member
- Toured the country and competed at Drum Corps International finals
- Rehearsed 7 days a week and 16-hour days minimum starting in May

**Performer**, Drum and Bugle Corps, Jersey Surf

*January 2014 - August 2015*

- Auditioned for and was selected as a member
- Toured the country and competed at Drum Corps International finals
- Rehearsed 7 days a week and 16-hour days minimum starting in May

## LEADERSHIP & SERVICE

**President**, Computer Building Club (CBC), Allegheny College

*August 2019 – May 2020*

- Organized events and educated students on building computers

**Treasurer**, Association for Computing Machinery (ACM), Allegheny College.

*August 2019 – May 2020*

- Organized budget and financial requests for events

**Member**, Allegheny College E-Sports (ACE), Allegheny College

*August 2019 – May 2020*

- Starting member for the organization's Overwatch team
- Participated in charity fundraisers and competed in tournaments

## SKILLS

**Computer:** Gitflow model, Github, Bitbucket, PC, Mac, and Linux proficient; *Microsoft Office:* Word, Excel, PowerPoint; *G Suite:* Gmail, Docs, Sheets, Slides

**Programming Languages:** Java, Python, C, HTML, CSS, JavaScript, SQL

**Instruments:** 10 years of euphonium/baritone, 3 years of tenor and bass trombone, 4 years of percussion, 1 year of tuba