Why Does That Sound Good?

VISUALIZING THE INVISIBLE JOURNEY OF MUSIC

Intro

Do you ever ···

listen to a song over & over because you love the way it sounds?

wonder why you like certain combinations of sound?

want to connect to a song visually, in a way that translates the sounds you hear?

My profession is healthcare analytics.

My passion is music, visual communication, and breaking down complexity into relatable concepts.

MEET THE TEAM

STELLA





MARYJO





ROSIE

LEELOO DALLAS

About Me

WHY DOES THAT SOUND GOOD?



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A Tonal Journey

Music theory is complicated!

... but you don't need it to know
that music takes you on a journey.

Much like a story, songs create tension and resolution.

MUSICAL MINDS O



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The Audience



Melody Moore

Persona Category: Music Enthusiasts

Persona: Beginner Musician

Empower Melody Moore to transform music theory from an intimidating maze into an accessible and visually intuitive journey—making the magic behind every chord and progression clear and inspiring.

Pain Points

- Overwhelmed by complex music theory
- Looking for innovative ways to better understand music to translate into how they hear and play music

Typical Characteristics

- Passionate about music and eager to learn
- Visual learner who thrives on intuitive and accessible explanations

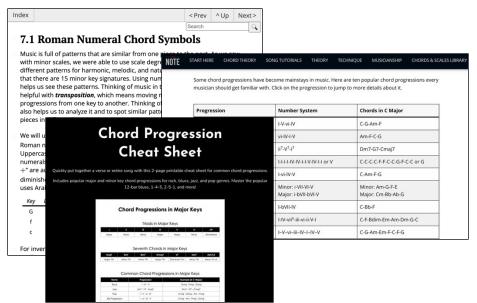
Gains Information From

- YouTube tutorials, online courses, and interactive apps
- Music blogs, forums, and social media groups
- Podcasts and local music meetups

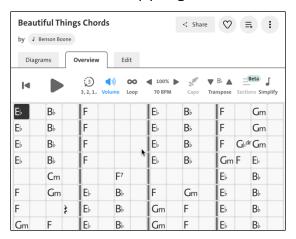
This website prototype is designed to be viewed on a laptop or device with a full screen.

Educational websites

with music theory lessons



Music resource websites with chord mappings



Finding the Audience

HARMONIZINGTHE DATA

HOVE

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Music is Full of Data

Reference Data

- Keys & Chords
- Harmonic Function
- Sharps & Flats

Activity Data

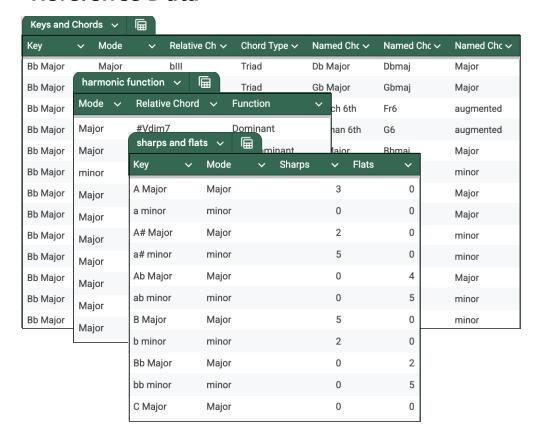
- Song data derived from original sheet music
 - Classical:
 - Beethoven Piano Sonata
 - Romantic:
 - Chopin Nocturne
 - Rock:
 - Queen, Bohemian Rhapsody
 - Pop:
 - Chappell Roan, Pink Pony Club
 - Benson Boone, Beautiful Things

WHY DOES THAT SOUND GOOD?

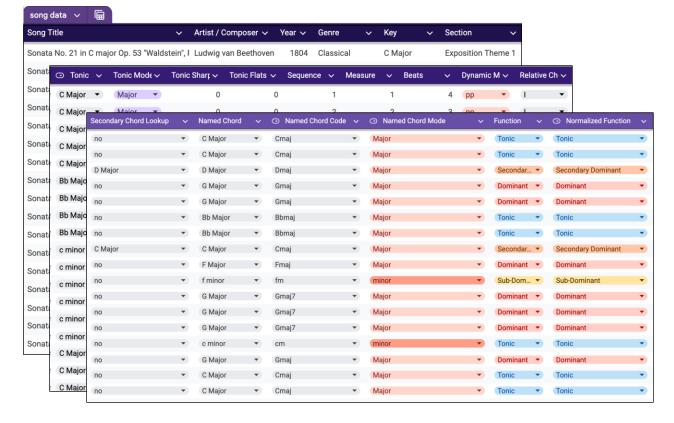
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Music is Full of Data

Reference Data



Activity Data



Copyright & Use of Music Data

Legal Area	Applies to Project?	Mitigations
Copyright Law	✓ Yes	Project is educational in nature and falls under the education exception, only include minimum data needed and do not reproduce full copyright-protected material
Digital Millennium Copyright Act (DMCA)	✓ Yes	Watch out for takedown requests if public
Derivative Works	✓ Yes	Ensure transformations are minimal or educational, use original MIDI sound bytes
Publicity Rights	<u> </u>	Do not use artist likeness or name prominently
Performance & Sync Rights	<u></u> Maybe	Do not use full copyright-protected recordings in videos

Bringing

Color to

Music

Designing for simplicity & accessibility

- iconography
- thematic colors
- audio integration















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orchestrating the story Volatility

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What's Next

Looking Ahead

- Transition from Figma to full website
- Explore other options for audio-visual data viz tools
- Curate a backlog of song data
 - All 32 Beethoven Piano Sonatas
 - User interest in specific songs and artists
- Create user-requested features, like printable versions and common chord progressions maps

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STANDINGOVATION

Acknowledgements

Applause Please

- Ryan Abshier, music theory expert and piano teacher
- My user testing group
- My family
- My cohort
- Amy, Jes, Rosie & the MICA faculty



ENDING ON A GOOD NOTE

Q&A

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