ABSTRACT:

Our project, Bonne Chance, meaning good luck in French, is an immersive language learning game that manifests in the form

The game is designed as a course-companion for French 111 and 112 beginning language courses for college students. Instead of merely computerizing old teaching practices or creating grammar practice flash cards, we are radically re-envisioning the design of the learning experience. This project endeavors to build an "ecology of learning that extends beyond the four walls of an institution and engages [students] in ways that are exciting, empowering and culturally relevant" (Salen et al., 2011).

The project functions under four teams: the coding team, the user experience engagement team, the music curation and production team, and the app development team. As the music team, we focus on the music and sounds of Bonne Chance

The music and sounds behind Bonne Chance contribute to this ecology by curating an authentically French soundtrack of pre-composed and original music, stimulating the learning environment, creating a sense of historical accuracy, and channeling the primary purpose of the game, which is to help immerse students in the French language.

French musical history can be characterized as a diverse and central figure in the arts of humanity. French history has shaped human history, and its music sheds light on the roots of its global influence.

The game itself is currently still in a series of prototyping phases as we continue to test our most viable product [MVP]. Through our game-based-learning application, our audience of elementary-level French students will gain language learning skills and intercultural empathy.

Working in an innovative studio environment has allowed us to grow in the domains of collaboration, project management, programming, music history, research, micomposition, music arranging, and music production in a studio environment.

Interactive Learning: The Sounds Of

Bonne Chance

Music Supervisor: Wesley Fowler Composer/Producer: Alex Gray Advisor: Cary Staples

HISTORICAL RESEARCH

Historical research has been essential to curating the soundtrack of Bonne Chance Institutional research in as usern essential to Carding the Southards of John Chance. Research has helped create as immersive, historically accurate experience for our players. Research has also guided many aspects of game design, such as period visual aesthetics, storyline historical accuracy, and secondary character development. This has also assisted in the composition and music arranging area as we learn to write in historical styles. Much of our research can be seen below. Research was conducted through reading scholarly articles, reading music history textbooks, and applying knowledge gained directly through music history course

MUSIC PRODUCTION

This is an image of the Digital Audio Workstation (OAW), Reaper, that is being used to produce the music of Borne Chance. In the DAW, we are a labe to record, music in the MID Format. MID information is processed by a Virtual Studio Technology Instrument (VSTI) pulgin Which plays back the recording with a chosen digital instrument, such as a synthesizer or acoustic instrument, sampler. Effects such as termolo, delay it is a MIDI track or a recording. We can also adjust anning, which is the left and right sound signal distribution in a stereo field. This helps create a more realistic "live music" feeling where musicians are spread out on a stage. The DAV allows us to mix audio levels by volume or frequency range so that the music can be well balanced.

MUSIC COMPOSITION & ARRANGING

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This image comes from the musical notation software Musescore that has been used for the composing and arranging of music of Bonne Chance. This specific image comes from the arrangement of *The People United Will Never Be Defeated* for jazz combo. One of United Will Never Be Defeated for jazz combo. One of the most important elements of composing and arranging is knowing how to write appropriately for arranging is knowing how to write appropriately for a stranger must ktudy the idiomacy of each instrument and how the ensemble performs as a whole. In the given example, each player is given the melody and chord symbols to indicate the harmony of the music so they may improvise accordingly in contrast, a string the properties of the properties of the string of the string the properties of the music so that the properties of the properties of the string the properties of quartet needs very specific parts written out for them. Composing and arranging for this game has also required studying music by musical movements within given time periods and learning how to write in those

This is an image of the Digital Audio Workstation

echno, and reverb can be added to any track, whether

TENNESSEE

Le Louvre





Clair de Lune by Claude Debussy arranged by Alex Gray (1905/2017): This arrangement of Debussy's famous piano work feautres a soft synthesizer similar in timbre to a harp with many ambient electronic effects, such as reverb and delay. While referencing our main character's name Élodie Claire it



Notre Dame

(1150-1250): Just as Rome was the Medieval Ages, so was Paris the center of scholasticism and culture in the European world. The musical organum polyphony, and motets of the Notre Dame School, created by composer like Leonin and Perotin, were the roots of European Classical music. They pioneered the structure and harmony of the music that we love today.

Hildegard von Bingen (1098-1179): In addition to being one of the first recognized female composers from Europe, Hildegard von Bingen is credited with writing more medieval chants than any other known composer. from that time period, a known total of 77 pieces of music. He devotion and passion for music paved the way for future female artists and



Jardin du Luxembourg



The Baroque Era of Music (1600-1750) The name of this era comes from the fashion and jewelry trends of the time, which valued symmetry, and overlapping floral designs. This reflects the music of time very strongly, as form and structure dominated the compositional process of music by composers like Jean-Baptiste Lully and Jean Philippe Rameau.

Jean Philippe Rameau (1683-1764): Considered to be one of the leading French composers for opera and harpsichord, along with Jean-Baptise Lully and François Couperin, Jean Philippe Rameau established the formula of European classical music Through his accomplishments in music theory (Treatise on Harmony 1733) and his technically advanced compositi he revolutionized the standard for musical complexity. His pieces foreshadowed the intricacy of French era that dominate opera houses to this

PlayBonneChance.com



Père Lachaise



Romanticism (1780-1900): A cultural movement that valued hyper-emi nature, mythology, and dramatic storytelling. It was musically characterized by increasingly large orchestra sizes, pieces of music based off dramatic stories, and emotionally driven compositions. Composers sought to tell stories through music that would profoundly move and touch

Camille Saint-Saëns (1835-1921): A musical prodigy, Camille Saint-Saëns is considered the most famous French composer of the Romantic era. He studied at the Paris Conservatoire, and taught at the École de Musique Classique et Religieuse in Paris. His position there impacted future generations of French music, as he taught composers like Gabriel Fauré, who then taught Maurice Ravel, who is considered the most widely popular renowned organist at La Madaleir which was the official state church of



Impressionism (1875-1925): A ment rooted in French artists like Claude Monet, impressi sought to convey the emotions and feelings of a subject rather than its detailed features. Most noticeable i composers like Maurice Rayel and Claude Debussy, composers sought to convey the angst, turmoil, and triumphs of the misunderstood musician by writing music with dark sounds, features, and lyrics. By focusing on achieving musical "color" rather than technicality, French music became more emotional than

Maurice Ravel (1875-1937): Widely considered to be one of the greates composers of all time, Ravel's most popular work is his orchestral piece Boléro. Starting with an incredibly soft snare drum part, the piece slowly unravels into a ma fanfare of triumph, while still maintaining the original theme. His pieces are emotional, complex, and built off of centuries of French



La Prison



Serialism (Post WWII): Serialism in Norld War II and the Cold War, and School of Music It was built on the concept of using formulas or a set of alues to determine musical pitches often resulting in a characterization of randomness of sound. The movement expanded into Total Serialism, which included all aspects of music, including rhythm, duration, and dynamics.

Pierre Boulez (1925-2016): Known for his conducting and profound influence on the experimental field of music, Boulez sought to make music that a totalitarian regime could not adopt for its own. He was a primary figure in the creation of the Darmstadt school, the leading avant-garde music summer n that is based in German





ement, Dada was a direct I, and was based on the rejection of logic and reason of capitalistic society, embracing irrationalism. It had a profound impact on visual and plastic arts, most famously including depictions of the Mona Lisa with a crude mustache. Spreading from Switzerland, to the United States, to affiliated with radical left political

Erik Satie (1866-1925): A famou composer and pianist, Erik Satie worked closely with dadaists, seeking to break free from what he saw as traditional compositional methods established by composers like Claude Debussy. His music didn't encourage forward momentum, but rather recycled previously established material, most famous in his piece
"Vexations", which features an absurd



Spectralism (1970s): A figurehead of avant-garde/experim spectral music refers to the process of authentic or artificial timbres of a niece of music. The movement can be better described as an attitude or aesthetic rather than a set of techniques, as it reflects an evolutionary view of sound and timbre. Many composers and groups associated with spectralism disagree with the term, and desire a

Ensemble l'Itinéraire (Founded 1973): One of the premiere ensembles performing contemporary music, this Paris-based group was the leading figure in performing Spectral music. Credited with premiering hundreds of art pieces, the ensemble draws much of their techniques from IRCAM (Institute for Research and Coordination in Acoustics/Music) an



return to traditional methods of composition, the Neoclassica vement between World War I and II saw the rejection of the Romantic Fra's hyper-emotion in favor of a "call to order". Composers sought to move away from the Serialism and experimentalism populating the 20th century in favor of Baroque techniques such as fugues, and the implementation of latin text. The movement was most represented in the works of Igor Stravinsky, who caused an immense amount of controversy across Europe

Darius Milhaud (1892-1974): Darius Milhaud was one of six French composers based in Montparna that were in the group "Les Six". The organization rejected the Romantic era style of composers like Richard Wagner as well as the ideology of Impressionist composers like Maurice Ravel. Instead, they sought to follow the practices of





son Réaliste (1880-1950): Building off of Paris' historic chansons (lyrical art songs) and cabarets, this branch of music was for the middle and working class people dealing with the realities of life. Confronted with the devastation of World War II, French songwriters began composing chansons of loss hopelessness, and suffering under Fascist rule. The majority of these were performed by women, and reflected one of the darkest times in French

Édith Piaf (1915-1963): One of France's greatest international stars, Édith Piaf made her career singing about love, loss and sorrow. She has recorded famous songs including La Vie en rose (1946) and Hymne à l'amour (1949), and has left a global legacy as one of the greatest performers of the 20th century. Her life and work is a beautiful of France, and reflects the influence



















