



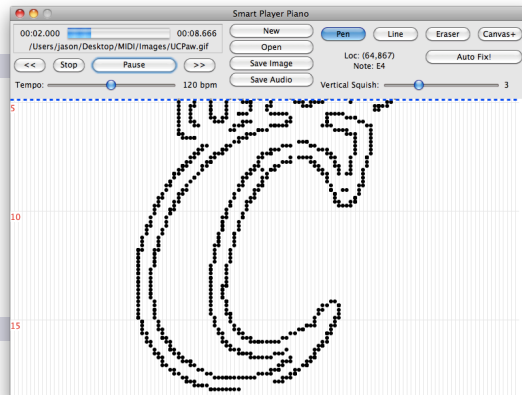
# Smart Player Piano

Jason Pawlak (jason@pwlk.net)

Advisor: Dr. Anca Ralescu

University of Cincinnati

-- An amalgam of visual and audio arts --



**Purpose:** To create an intuitive, fun and enlightening application that combines both visual and audible arts

**Inspiration:** Carlos Amorales' "Psicofonias" at the Cincinnati Contemporary Art 2008/2009 and a player piano my Grandmother had when I was little.

**Description:** The Smart Player Piano allows users to mix the senses of sight and hearing into an interrelated piece of art. As a computer driven extension to the old player piano, the Smart Player Piano allows users to interact more with the music by adding, deleting, or changing notes of MIDI songs. It also gives the opportunity to create music and visual art from scratch or import images for viewing, hearing and modification. But what really adds the "smart" in the Smart Player Piano is the ability for the application to analyze and modify the image and song such that it follows basic music theory rules of key and chord progression.

Transcription to Smart Player Piano music

