BEATRICE HOANG

Computer Science and Modern Culture & Media student interested in the bridge between technology and visual/performing arts

Cell: 512-521-4755   Email: beatrice_hoang@brown.edu   Website: www.beatricehoang.com

EXPERIENCE:

National Center for Preservation Technology and Training | 3D Lab Assistant
August 2018 – March 2020
» Oversaw archival 3D scanning and 3D printing of poverty points in the NCPTT's 3D Lab.

Providence School of Music | Piano Teacher
September 2021 – Present
» Piano teacher for students 3 years old and up

Veksler Academy of Music & Dance | Piano Teacher
February 2021 – August 2021
» Piano teacher for students 3 years old and up

PROJECTS:

Image to LaTeX | Computer Vision Final Group Project
May 2021
» A character-by-character convolutional neural network model to convert handwritten Math equations/symbols into LaTeX markup language.

OpenGL Scene Viewer | Computer Graphics Project
June 2020
» An interactive scene viewer program in OpenGL that takes in a scene file and allows the user to rotate the camera and translate/scale the scene.

Spotify Genre Prediction | Data Science Final Group Project
August 2021
» Predicted songs' genre using a tuned K-Nearest Neighbors model, scraping data from Spotify's API and genre-specific playlists.

Movie Information VR App | Unity Engine Project
January 2021
» VR application to interactively browse movie   details. Implemented wayfinding, object transformation, and UI functionality

EDUCATION:

Brown University
BS in Computer Science, Modern Culture and Media
(Double Concentration)
Expected May 2024

SKILLS:

Python • C++ • JAVA • HTML5 • CSS • SQL • LaTeX • Unity

RELEVANT COURSEWORK:

Computer Vision
Data Science
ColumbiaX: Artificial Intelligence
UCSDX: Computer Graphics
UCSDX: Creating Virtual Reality Apps
Linear Algebra
Intro to Discrete Structures
UCSDX: How Virtual Reality Works

ACTIVITIES:

Fashion @ Brown | Photographer
August 2020 – Present
» Photograph events and editorial for F@B's digital presence and publications.

Brown|RISD Innovation Community | Cohort Member
January 2021 – Present
» Interdisciplinarity collaboration between Brown and RISD students on creative projects

In my free time I enjoy solving Rubik's Cubes, embroidering, longboarding, and swimming.