BEATRICE HOANG

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

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

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.