nhi nguyen

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education

UNIVERSITY OF CENTRAL FLORIDA
B.S. Computer Science 2018

skills

LANGUAGES: (Proficient) C, C#, Java, Python; (Familiar) Haskell, SQL
TOOLS: Git, Zsh, macOS, Linux, Windows
FRAMEWORKS AND LIBRARIES: Numpy, OpenCV, Kivy, PyGame, TensorFlow

projects

KNEST

Python, Tensorflow, OpenCV, Kivy
- Lead designer of a four-person team
- Designed and developed a machine learning and computer vision solution system for the selection and enhancement of potentially desirable bird photographs from large datasets
- Personally developed the blur detection, object localization, image comparison and image manipulation workflows along with the GUI

BLUR DETECTION

Python
- Implemented a blur detection and quality assessment scheme from a proposed research paper
- Utilized Haar wavelet transforms and decomposition to determine overall blur and blur extent of any given image(s)
- Modularized implementation for reusability, flexibility and ease-of-use

TIC-TAC-TOE

Python, PyGame
- Designed and developed a UI-based Tic-Tac-Toe game with interactive GUI features for attractive functionality and ease-of-use
- Implemented impossible-to-beat single-player mode using the minimax AI algorithm and competitive two-player mode

additional info

MULTILINGUAL
English: Native proficiency
Vietnamese: Native verbal proficiency
Mandarin Chinese: Limited working proficiency