Jack Kelly

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WORK EXPERIENCE

Junior Operations Manager, Brand Brigade — *New York, NY*

August 2022 - August 2023

- Managed team of 6 video editors tasked with collecting video and image data

- Increased data collection pipeline efficiency by 75%
  - Automated video editing and image extraction from source video (using Python's OpenCV and FFMPEG)

- Rebuilt internal database
  - Implemented file naming convention and organizational hierarchy
    - Used by 100+ freelance broadcast operators around the country
  - Identified/moved unused files into deep storage to free server space

- Helped upper management structure operations department during merger

Ceramics Teacher, Mugi Studio— *New York, NY*

November 2022 - Present

- Taught adults, teenagers, and children the basics of wheel throwing and hand-building ceramics

- Developed general lesson plans for classes of up to 15 students while also working one on one with students to fulfill each individual's goals

EDUCATION

Eastern University, St. Davids, PA— *MS, Data Science*

August 2023 - (Expected) June 2024

Temple University, Philadelphia, PA — *BFA, Ceramics*

August 2018 - May 2021

COMPUTER SKILLS

Python (Numpy, Pandas, Matplotlib), JavaScript, SQL, R, HTML,CSS, FFMPEG

TECHNICAL PROJECTS

Image Processing Pipeline

Built a data collection pipeline using Tensorflow, OpenCV, and FFMPEG to automatically sort through broadcasts of major league sports games and pull quality frames for AI model training.

- Classified source video into relevant sequences with Tensorflow
- Pulled still frames from video using FFMPEG
- Calculated thresholds for acceptable blur and frame similarity; deleting frames below the threshold

Dropbox Metadata Extractor

Built tool to help with data extraction and analysis on Dropbox.

- Requested file metadata from Dropbox API and organized useful information into a pandas dataframe
- Built nested for loops to organically iterate through each folder in a Dropbox account