ETHAN NELSON

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Education

Brigham Young University-Idaho   Apr 2021
BS. Science in Computer Science   *Rexburg, ID*

Advanced:
- Python/Machine Learning
- C++

Competent:
- Keras, TensorFlow
- HTML, CSS
- JavaScript

Project Experience

Image Colorization   Nov 2019-Dec 2019
Student Project   *Rexburg, ID*
- Predicted colorized version of black and white images using machine learning algorithms and using an 800+ image database
- Deepened knowledge on Convolutional Neural Networks and image pre-processing by experimenting and researching relevant data
- Collaborated with team to maximize efficiency in preparing, training and modeling training data to speed up result time

RSA Encryption   Jan 2020-Feb 2020
Personal Project   *Rexburg, ID*
- Programmed RSA Encryption algorithm from scratch to demonstrate and research more about RSA encryption and its useful benefits
- Diagnosed issues that were present by researching more about RSA and reconfiguring the way the program ran
- Something else here

Work Experience

Data annotator   Feb 2020- Present
Research & Business Development Center   *Rexburg, ID*
- Contributed to 80,000+ image data set to train machine learning algorithm to maximize efficiency in recognizing barcodes on warehouse shipments
- Conducted research under a Machine Learning Engineer in order to increase working knowledge on machine learning algorithms specifically dealing with Neural Networks

Front-end Developer   Sep 2019- Feb 2020
House Cleaning Captains   *Rexburg, ID*
- Built website to increase public exposure to local startup company and increased exposure by 300% through use of SEO
- Maintained and updated website to help company maintain a professional appearance as well as allow workers to view/manage appointments

Carpenter   Jul 2019- Feb 2020
Brigham Young University-Idaho   *Rexburg, ID*
- Followed and modified set plans to maximize efficiency in project execution by 100%
- Learned new skills pertaining to carpentry by listening and application
- In major remodels including changing 1000+ doors campus wide, maintenance of ceiling and construction of shelving units