Quinn Meyer

Website || LinkedIn || GitHub

EDUCATION

Master of Science, Data Analytics
Graduated October 2022
Western Governor's University
Salt Lake City, UT

Bachelor of Science, Mechanical Engineering
2014-2018
Purdue University
West Lafayette, IN

SKILLS

Programming Languages: Python, SQL (Postgres), MATLAB
Python Packages: Jupyter, Numpy, Pandas, Scikit-Learn, OpenCV, Pillow, Plotly, Tensorflow, Keras
Tools & Methodologies: Machine Learning, Deep Learning, Tableau, Git, Jira, ETL, NLP, Microsoft Office

EXPERIENCE

Aptiv Troy, MI
Camera Systems Engineer September 2018 – April 2022

- Lead developer of Aptiv's intrinsic calibration and validation software
- Technical lead for the launch of Aptiv's 5-million-dollar intrinsic calibration manufacturing process
- Built image quality software for validation and end-of-line manufacturing tests
- Developed deep learning models using Tensorflow / Keras to detect and segment camera targets in highly distorted raw images
- Implemented white paper algorithms in Python to assess various image quality metrics
- Collaborated with a small team of engineers to develop a custom camera alignment machine (software + hardware)
- Created testing procedures to measure optical quality of cameras according to customer specifications
- Built image processing pipelines using raw image data to extract key features
- Developed classification models to predict camera's passing or failing optical tests based on build data

Rolls-Royce West Lafayette, IN
Capstone Project Spring 2018

- Worked with a small team of engineers to design, source, fabricate, code, and launch a robust automated test fixture for simulating the forces distributed onto a jet turbine in under six months
- Deployed the project 25 percent under budget and ahead of scheduling with the text fixture currently being used in the Rolls-Royce research and development facility in West Lafayette