

Senior Engineer of Image Processing

Responsibilities:

- Design generalized image processing algorithm for quality inspection, including template matching, edge detection, anomaly detection etc;
- Optimize algorithms to lower complexity and apply them to over-sized images of products;
- Design and implement standardized pipeline for quality inspection of industrial products, especially display panels of TV sets and cellphones;
- Support to AI-based vision data processing and corresponding deep learning algorithm development;
- Coding and algorithm optimization and acceleration;
- Develop working prototypes that use techniques of AI/DL to analyze data and devise computational models, in area of image enhancement.

Job requirements:

- Master or above in STEM-related discipline such as Computer Science, data science, Electronic Engineering, Information Engineering, Mathematics or relevant discipline;
- The candidate should be interesting in the field of computer vision, image processing and machine learning;
- Experience in programming using Python/C++;
- Experience in image processing, or machine learning, or deep learning model development.

Preferred:

- Experience in deep learning frameworks (OpenCV, TensorFlow, Caffe, PyTorch, Keras);
- Experience in below areas: defect detection/segmentation, super-resolution, image enhancement, etc.