
JOB DESCRIPTION

Position	Research Engineer, Computer Vision
Department	Science and Research
Reporting To	Head of Science and Research
Subordinate(s)	--
Shift(s)	--

DUTIES & RESPONSIBILITIES

1. Benchmark and validate computer vision models for technologies such as object detection, object tracking, object segmentation, pose estimation, image classification etc.
2. Source for different types of computer vision datasets including data collection and create new ones as needed.
3. Incorporate a wide variety of statistical and machine learning techniques such as deep learning, classification and regression models etc.
4. Leverage cutting edge cloud platforms such as GCP to create automated training and testing pipelines.

ARCHETYPES OF THE SUCCESSFUL CANDIDATE

1. Implement and validate computer vision models for technologies such as object detection, object tracking, object segmentation, pose estimation, image classification etc.
2. Minimum 2 to 5 years experience in one or more of the following areas: computer vision models for technologies such as object detection, object tracking, object segmentation, pose estimation, image classification preferred.
3. Programming expertise including Shell, Perl, Python with the ability to use Linux command line tools.
4. Experience working with open source libraries, like TensorFlow, Pytorch, OpenCV etc.
5. Experience with working on cloud computing platforms, such as, GCP, AWS etc.
6. A clear communicator with the ability to deliver timely and work independently.
7. Fresh graduates with relevant experience mentioned above are welcome to apply.

KEY ACADEMIC AND PROFESSIONAL REQUIREMENTS

1. BS/MS in Computer Science, Signal Processing, Statistics or Mathematics.
2. 2 to 5 years experience in the areas of computer vision, image processing, machine learning preferred, and fresh graduates with good honours may be considered.
3. Strong grasp of computer vision and machine learning techniques.

TECHNICAL REQUIREMENTS

1. Programming: Python, Shell, Perl
2. Libraries: pytorch, tensorflow, openCV
3. End-to-end pipeline development and development in Kubeflow
4. Basic knowledge of software engineering (git, devops processes, etc.) and REST APIs would be preferred