Job Role

Date: 25/09/2018

Title of position:	CV SW Engineer - Intern	**Reporting of the position**	R&D Strategy and Technology Manager
Person holding position: /	N/A	**Name of Manager**	Filippo Silva
No. of employees:	1	**Location**	Rome

Function of position:	Konica Minolta Inc. is establishing new R&D sites in EU (Konica Minolta Laboratory Europe) aimed at developing innovative technologies in the area of Information and Communications Technologies (ICT), IoT, Robotics and Artificial Intelligence. We are looking for interns with talents in Computer Vision and a strong passion on machine learning. If you are an independent problem solver, and are looking for opportunities to learn and be part of a talented and passionate team, this is the right place for you. As part of our team, the CV SW Engineer Intern will be involved in projects in the field of Computer Vision, working on state-of-the-art research, deployment and development of Computer Vision system. The SW Engineer Intern will work alongside Researchers, Developers and R&D Engineers, with a keen eye towards software development compliant to DevOps and Continuous Integration. This initiative is specifically targeted to speed up the growing demand for an expert in the domain of Computer Vision.
Main responsibilities:	- Work on state-of-the-art research, deployment and development of Computer Vision system. - Develop Deep Learning components for both training and inference. - Develop, train and test Deep Learning models for image data. - Embrace the resolution of a problem by following a quick methodological guess-and-check approach. - Implement and deploy code, technologies, tools and all that is necessary for the realization of technical proof of concepts. - Implement solutions, using appropriate software development tools, methods and practices including source code repositories. - Work closely with a team of scientists and engineers with diverse backgrounds in areas such as Computer Vision, Machine Learning, Robotics, IoT and Distributed Learning.
Dimension of results	Ensure solutions and PoCs being developed under specified requirements and the expected outcomes, in accordance with the general technology development roadmap and deadlines

	• Support the Research Specialist, R&D Engineers and Managers to: o ensure that software is delivered against milestones and planned deadlines.
Requirements to this position:	• Master's Degree in Computer Science, Artificial Intelligence, Robotics • Good knowledge of current state of the art methodologies in Computer Vision • Knowledge of Machine Learning and Deep Learning methodologies applied to problems about real world Computer Vision tasks. • Familiar with at least one of the following Deep Learning libraries: TensorFlow, Caffe, Caffe2, Torch. • Experience with CUDA. • Practical capabilities to use the appropriate tools for each task to ensure a fast deployment and reliability of the solutions. • Fluency in Python, C++ and scripting (e.g., shell). • Experience in software development. • Knowledge of Git and GitFlow branching model. • Integration and development of systems across diverse software and hardware platforms, multiple OSs and diverse dependency requirements. • Fluent in English • Willingness to work in a team actively contributing to team objectives. • Passion for new technologies, innovation and love for solving exciting and challenging problems It is a plus: Understanding of virtualization and containerization (E.g., Docker, Docker Compose, NVidia Docker)