
**Job Title**: Applied Computer Vision Engineer

**Period:** Full-time

**Job purpose:**
We are looking for research engineers who can extend and develop algorithms for our camera. You will get an hands on experience by doing research and rapid prototyping using a combination of state-of-the-art computer vision algorithms. You will be required to perform experimentations and also get to publish in top tier conferences. You will develop the proof-of-concept algorithms and hand-off to engineering. Areas of computer vision work may include innovations in SLAM, 3D scene understanding, situational awareness etc.

**Duties & Responsibilities:**
-Includes development, writing code and documenting the functionality.
-Understanding different architectures and able to develop applications.
-Implement and enhance processing pipeline and software architecture that allows optimal performance and flexibility for experimentation.
-Collecting datasets for in-depth understanding of problems.
-Leverage state of the art tools (OpenCV, TensorFlow) to prototype fast and early

**Required Skills & Experience:**
-Background in computer vision, Machine learning, Deep learning.
-Experience in researching, developing, and implementing novel computer vision algorithms from scratch.
-Image processing experience, including colour correction, lens distortion, color segmentation, image enhancements etc.
-C++ development skills. OpenCV, MATLAB required.
-Strong collaboration skills.
-Capable of designing integrations of and tuning computer vision algorithms.
-Able to construct, train, evaluate and tune neural networks.
-Experience with motion detection and tracking of people, faces, objects or vehicles.

**Desired Skills & Experience / Bonus Points:**
-Experience in depth estimation, 3D reconstruction, multi-view geometry, calibration, and optical flow.
-Practical understanding and experience with machine vision neural networks (image recognition & object classification).
-Multi-camera system calibration.
-Computational imaging/photography.
-Intrinsic image decomposition. Scene and object classification.
-Camera and/or video pipeline knowledge and experience.
-Photography skills is a plus.

**Minimum Qualification:**
-Holding MS or PhD degree with a focus in computer vision or related fields.
-Publications in Computer Vision Conferences.

**How to Apply**
Send your resume and portfolio (if possible) to careers@dreamvu.com