Letter of Recommendation for University of Missouri summer internship

4 messages

K. Palaniappan <palaniappank@missouri.edu>   Mon, 5 Aug 2019 at 03:27
To: Vipul Ramtekkar <vipul.ramtekkar16@gmail.com>, Ramtekkar, Vipul <vipul.ramtekkar@missouri.edu>

Hello Vipul,
It was great to have you in the CIVA lab for the summer and contribute to our video tracking projects.
Below is a copy of my letter of recommendation for your records.

Best regards.

August 1, 2019

To Whom It May Concern:

Vipul Ramtekkar an undergraduate student from IIT-Bombay, India was a Visiting Scholar working in the Computational Imaging and Visanalysis Lab in the Department of Electrical Engineering & Computer Science at the University of Missouri-Columbia. His internship during the period of 6/08/2019 to 7/31/2019 was in the area of computer vision for autonomous aerial drone systems.

While at MU, Vipul worked on collaborative research in embedded software and algorithm development for computer vision and machine learning applications for aerial vision sensors on autonomous aerial UAV platforms. He used his fluency in Python coding, the Robot Operating System (ROS) realtime environment and previous experience on autonomous system integration to make outstanding contributions to our DoD collaborative project with the US Army Research Laboratory.

In a short period of time, Vipul contributed to improving the robustness and accuracy of video object tracking by fusing appearance based hand-crafted or deep learning networks with motion flux and YOLO object detection that ran at around 20 frames per second on a low-power mobile embedded processing system. Vipul also developed a python based tool to analyze, record, ground truth and reinitialize the tracker and benchmarked them based on their accuracy and robustness. He also started working on improving the speed and adding a deep learning component to our Spatial Pyramid Context-aware Tracker (SPCT) that was highly ranked in the international Video Object Tracking (VOT) Challenge competitions. He assisted with developing transfer learning to train YOLO to improve the detection accuracy and enhance Multiple Object Tracking.

It was a pleasure to have Vipul working in our lab in a team with senior graduate students and postdocs. His contributions to our lab projects were outstanding and Vipul's accomplishments were at the level of graduate student.

Sincerely,

Prof. K. Palaniappan


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Vipul Ramtekkar <vipul.ramtekkar16@gmail.com>   Mon, 5 Aug 2019 at 21:35
To: K. Palaniappan <palaniappank@missouri.edu>
Cc: Ramtekkar, Vipul <vipul.ramtekkar@missouri.edu>

Dear Sir,

Thanks for the mail.