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PHD STUDENT IN CS

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Why Me?

I am applying for the 'Computer Vision and Machine Learning in Traffic Scenes' position at HRI. Currently I'm working on 3D object detection and object discovery on Lyft level5 and Waymo dataset. Our idea is to build a model taking semantics, depth and masks, all these three aspects into consideration. The semantic information is obtained via a Feature Pyramid Networks model pretrained on Cityscapes dataset. The depth is self-supervisedly learned from monocular data. The mask information comes from mask-rcnn. I already have two publications on visual navigation on indoor scenes. But I don't have any work on autonomous dataset yet. It seems that the project I am working on is a perfect match for this position.

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