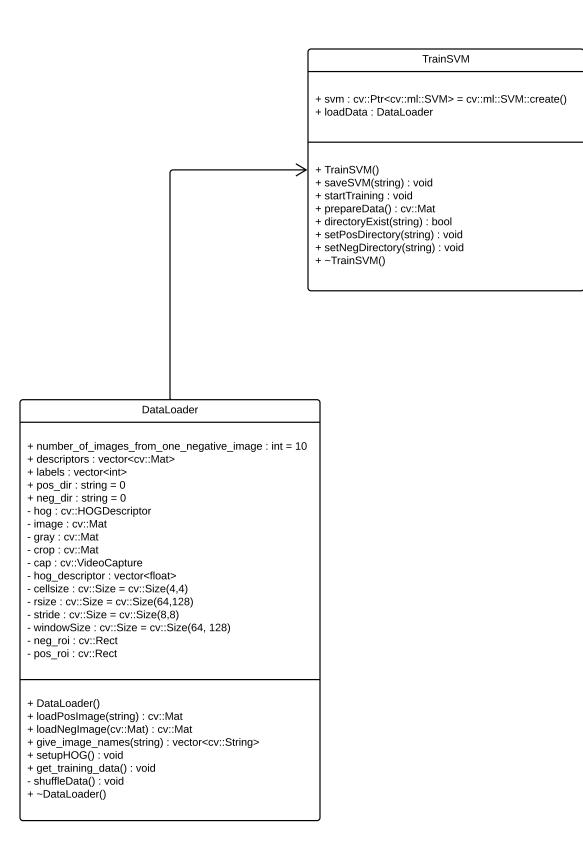
Group 15



## VisionInput

- + image : cv::Mat
- + humanDetector : DetectHuman + boundingBoxes : vector<cv::Rect>
- + VisionInput()
- + detectWithCamera(int) : void
- + detectWithVideoFile(string) : void
- + detectWithImage(string) : void
- + setupDetector(string) : void
- + showImageWithBox() : void
- fileExist(string) : bool
- + ~VisionInput()

## DetectHuman

- + svm : cv::Ptr<cv::ml::SVM> = cv::ml::SVM::create()
- + hog : cv::HOGDescriptor
- + DetectHuman()
- + setDefaultSVM(): void
- + setCustomSVM(string) : void
- + fileExist(string) : bool
- + ~DetectHuman()