

# Huynh Van Thong

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## Personal information

Name	Huynh Van Thong
Date of birth	29 August 1995
Gender	Male
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Nationality	Vietnamese

## Education

2020 – present	<b>PhD. student, Department of Artificial Intelligence Convergence, Chonnam National University.</b> Supervisor: <i>Prof. Soo-Hyung Kim.</i>
2018 – 2020	<b>M.E. Computer Science, School of Electronics and Computer Engineering, Chonnam National University.</b> GPA: 4.38/4.5. Thesis title: <i>Gaze Tracking for Facial Emotion Analysis.</i> Supervisor: <i>Prof. Soo-Hyung Kim.</i>
2013 – 2018	<b>B.E. Computer Science, Viet Nam National University, HoChiMinh City - University of Technology (HCMUT).</b> GPA: 7.79/10. Thesis title: <i>Extracting the table region in document images.</i> Supervisors: <i>Tran Tuan Anh, PhD</i> and <i>Nguyen An Khuong, PhD.</i>

## Award

2021	Evoked Expressions from Videos (EEV) Challenge in <i>Affective Understanding in Video, CVPR 2021.</i> <b>1<sup>st</sup> place.</b> Team: <i>SML.</i>
2020	Pain Intensity Estimation from Facial Expressions in <i>EmoPain challenge, FG 2020.</i> <b>1<sup>st</sup> place.</b>
2019	Engagement prediction in the Wild in <i>7th Emotion Recognition in the Wild Challenge (EmotiW), ICFHR 2019.</i> <b>1<sup>st</sup> place.</b> Team: <i>SML.</i>
2013	Vietnam National Olympiad in Informatics Competition for High School Students, grade 12. <b>Honorable mention.</b>
2012	“30 April” Olympic contest grade 11, Southern of Vietnam. <b>Bronze medal</b> in Informatics.
2011	Maths problem solving on Mathematics and Youth Magazine 2010 - 2011. <b>Third prize.</b> “30 April” Olympic contest grade 10, Southern of Vietnam. <b>Bronze medal</b> in Informatics.

## Research Interests

My research interests are document image analysis, facial behavior understanding, and video analysis. Currently, I am working on long-form video understanding and human behavior analysis for applying in human-computer interaction.

## Research Publications

### Journal Articles

1. **Huynh, V. T.**, Yang, H.-J., Lee, G.-S. & Kim, S. H. (2021). End-to-end learning for multimodal emotion recognition in video with adaptive loss. *IEEE MultiMedia*, 28(2), 59–66. **Impact factor 5.633, Q1, JCR 10%** (2020). doi:10.1109/MMUL.2021.3080305
2. **Huynh, V. T.**, Yang, H.-J., Lee, G.-S. & Kim, S.-H. (2020). Semantic segmentation of the eye with a lightweight deep network and shape correction. *IEEE Access*, 8, 131967–131974. **Impact factor 3.367, Q2** (2020). doi:10.1109/ACCESS.2020.3010011

### Conference Proceedings

1. **Huynh, V. T.**, Kim, S.-H., Lee, G.-S. & Yang, H.-J. (2020). Multimodality pain and related behaviors recognition based on attention learning. In *2020 IEEE International Conference on Automatic Face and Gesture Recognition* (pp. 814–818). IEEE. doi:10.1109/FG47880.2020.00034
2. **Huynh, V. T.**, Kim, S.-H., Lee, G.-S. & Yang, H.-J. (2019a). Engagement intensity prediction with facial behavior features. In *2019 International Conference on Multimodal Interaction* (pp. 567–571). ACM. doi:10.1145/3340555.3355714
3. **Huynh, V. T.**, Kim, S.-H., Lee, G.-S. & Yang, H.-J. (2019b). Eye semantic segmentation with a lightweight model. In *2019 IEEE/CVF International Conference on Computer Vision Workshop (ICCVW)* (pp. 3704–3707). IEEE. doi:10.1109/ICCVW.2019.00457
4. **Huynh-Van, T.**, Nguyen-An, K., Khanh, T. L. B., Yang, H.-J., Tran, T. A. & Kim, S.-H. (2018). Learning to detect tables in document images using line and text information. In *Proceedings of the 2nd International Conference on Machine Learning and Soft Computing* (pp. 151–155). ICMLSC '18. ACM. doi:10.1145/3184066.3184091

## Additional skills

Programming Language	Python, R, C/C++, MATLAB, L <sup>A</sup> T <sub>E</sub> X.
Technical	TensorFlow, PyTorch, OpenCV.

## References

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