

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	PhD. student, Department of Artificial Intelligence Convergence, Chonnam National University. Supervisor: <i>Prof. Soo-Hyung Kim.</i>
2018 – 2020	M.E. Computer Science, School of Electronics and Computer Engineering, Chonnam National University. 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.E. Computer Science, Viet Nam National University, HoChiMinh City - University of Technology (HCMUT). 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> First place. Team: <i>SML.</i>
2020	Pain Intensity Estimation from Facial Expressions in <i>EmoPain challenge, FG 2020.</i> First place.
2019	Engagement prediction in the Wild in <i>7th Emotion Recognition in the Wild Challenge (EmotiW), ICMI 2019.</i> First place. Team: <i>SML.</i>
2013	Vietnam National Olympiad in Informatics Competition for High School Students, grade 12. Honorable mention.
2012	“30 April” Olympic contest grade 11, Southern of Vietnam. Bronze medal in Informatics.
2011	Maths problem solving on Mathematics and Youth Magazine 2010 - 2011. Third prize. “30 April” Olympic contest grade 10, Southern of Vietnam. Bronze medal 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 ^A T _E X.
Technical	TensorFlow, PyTorch, OpenCV.

References

Nguyen An Khuong PhD HCMUT - VNUHCM, HoChiMinh City, Viet Nam. ✉ nakhuong@hcmut.edu.vn	Tran Tuan Anh PhD HCMUT - VNUHCM, HoChiMinh City, Viet Nam. ✉ trtanh@hcmut.edu.vn	Prof. Kim Soo-Hyung Chonnam Nat'l Univ., Gwangju, South Korea. ✉ shkim@jnu.ac.kr
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