Curriculum Vitae

Younjung Park

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Education

2017.3~2021.8 : Ph.D in Cognitive Science and Engineering / Yonsei University
Thesis : The effect of Looming Visual Alarm on Situation Awareness and Driving Performance for Autonomous Driving : using driving simulator
[Advisor : Prof. KwangHee Han]

2008.9~2010.8 : M.S. in Electrical and Electronic Engineering / Yonsei University
Thesis : Robust Facial Feature Extraction Under Illumination Variations
[Advisor : Prof. SangYoon Lee]

2001.3~2005.8 : B.S. in Electrical and Electronic Engineering / Yonsei University

Research Interests

1. **Autonomous Driving and Take-Over Request**
   - A visual stimulus for TOR : to be able to convey matched urgency
   : to be able to deliver Situation Awareness
   : while not inducing annoyance
   - Comparation of visual and auditory cue for TOR
   - Augmented Reality Design for TOR
2. **Human Computer Interaction**
   - Petagogical Agent and Smart Learning
   - Gamification
3. **Artificial Intelligence**
   - Predicting driver's response during autonomous driving (including emotional response)
4. **Natural Language Process**
5. **Metaverse and Media Agent**

Journal Publications & Proceedings

[Main Publications]

1. Sooyeon Kim, **Younjung Park,** Kyungmin Lim, Hyobin Lee, Sangki Kim, Sangyoun Lee. "Fingertips detection and tracking based on active shape models and an ellipse." In TENCON 2009-2009 IEEE Region 10 Conference (pp. 1-6). IEEE. *Proceeding.* (2009)

[Role : Extracted features from fingertip data and participate in training and testing the detection system]

2. Sang-Ki, Kim, **YounJung Park**, Kar-Ann Toh, Sangyoun Lee. "SVM-based feature extraction for face recognition." Pattern Recognition, 43(8), 2871-2881. (2010)
   [Role : Participated in preprocessing of face dataset and feature extraction process. Trained and tested proposed algorithm under various illunations]
3. **YounJung Park,** KwangHee Han. "Visual Looming Stimuli Promotes Hazardous Responses in a Simulated Driving Scene." The Korea Contents Association ICCC2020, 273-274. *Proceeding.* (2020).
   [Role : Proposed main idea of the study and processed overall experiments. Analyzed experimental results and wrote whole paper]
4. Sungtae Kim, Hyunmin Kang, **YounJung Park***. "An Effects of Smart Learning Math Class on Academic Achievement, Mathematical Interest, and Attitude." The Journal of the Convergence on Culture Technology (JCCT), 7(2), 217-226. (2021).
   [Role : Provided feedback on experimental design and proposed analyzing method]
5. YoungJee Woo, **Younjung Park***. "Development of a Liberal Arts Curriculum for Introducing to the Fourth Industrial Revolution." Korean Journal of General Education, 15(1), 43-54. (2021).
   [Role : Proposed main idea of the study and processed overall experiments. Analyzed experimental results and contributed to writing]
6. **Younjung Park**, Jaeyoung Ji, Hyunmin Kang*, "The Effect of Looming Visual Alarm on Situation Awareness and Perceived Urgency" (In Preparation)
7. Hyunmin Kang[1], **Younjung Park[1]**, Yonghwan Shin[2], Hobin Choi[3], Sungtae Kim*, "What makes consumers' intention to purchase paid stickers in personal messenger? The role of personality and motivational factors" (In preparation)
8. **Younjung Park[1]**, Lee, S.-Y., & Keum, H.-J. (2022). Detection of Incivility based on Attention-embedding and multi-channel CNN. Journal of the Korea Institute of Information and Communication Engineering, 26(12), 1880–1889. https://doi.org/10.6109/JKIICE.2022.26.12.1880
9. **Younjung Park[1]**, Lee, S.-Y., Lee, E.-S., & Keum, H.-J. (2023). Analysis of Political Bias in News Agendas based on ccLDA and Semantic Networks. JOURNAL OF THE KOREA CONTENTS ASSOCIATION, 23(1), 48–60. https://doi.org/10.5392/jkca.2023.23.01.048.

[Sub Publications]

1. **Youn-Jung Park**, In-Jae Lim, So-Young Kim, and Se-Young Lee*, "Who promotes incivility? Finding features of partisan news based on BERT and Random Forest", Proceedings of The 15th International Conference on Future Information & Communication Engineering(ICFICE) 2023, 129-135. (2023).
2. Seunghun Yoo, **YounJung Park,** Hyunmin Kang, and Sungtae Kim. "The Effect of Motivation for Emoticon Use on Behavior of Purchasing Paid Emoticon : Focused on Theory of Planned Behavior." The Journal of the Convergence on Culture Technology (JCCT), 7(2), 395-404. (2021).
3. **YounJung Park,** KwangHee Han. "The Beginning as a Emotion-Vehicle : Assessment of Temporal Distancing Tendency of a driver based on Eye-gaze while driving." Proceedings of HCI Korea 2019, 980-983. *Proceeding.* (2019).
4. Sooyeon Kim, Sangki Kim, Hyobin Lee, **Younjung Park,** Sangyoun Lee. "Fingertips Detection and Tracking using Active Shape Models and an Ellipse." 2009 IEIE Summer Conference, Jeju, Jul., 965-966. *Proceeding.* (2009).

Research Experiences

- **Senior Researcher, Global Convergence Content Research Center, Sungkyunkwan University, 2021.3~Present**
  - Metaverse and Media Agent
  - Natural Language Processing and Machine Learning
  - Detection of Digital incivility
- **Senior Researcher, Camera Solution Dept., Mobile Communications, LG Electronics, 2016.3~2017.2**
  - Enhancing Low-Light Images
  - Flawless Camera Enhancement
  - HDR Image shot
- **Junior Researcher, Camera Framework & Camera Solution Dept., Mobile Communications, LG Electronics, 2012.3~2016.3**
  - Camera Bring-Up & Android Framework coding
  - Flawless Camera Enhancement
- **Researcher, Camera Framework Dept., Mobile Communications, LG Electronics, 2010~2012.2**
  - Camera Bring-Up(Android Framework)

Teaching Experiences

- **2022.3~Present, Instructor, Sungkyunkwan University**
  - Metaverse and Communication, Media Data Visualization, Contents Business in Metaverse
- **2021.3~Present, Instructor, University Distance Education Center**
  - Understanding of 4th Industrial Revolution (online lectures)
- **2020.9~Present, Instructor, DongYangMirae University**
  - Understanding of 4th Industrial Revolution
- **2020.3~2020.8, Instructor, DongYangMirae University**
  - Understanding of 4th Industrial Revolution
- **2019.9~2020.2, Instructor(LT), Yonsei University**
  - Psychological Statistics

Awards and Honors

- A Silver Prize, MC of The Year Award 2014(Team), LG Electronics
- Excellent Paper, ICFICE2023
- a prize of excellence, 2022 Summer Comprehensive Academic Conference of DCS 2022

Relevant Skills

1. Programming Language
- C, C#, C++, Python, Excel VBA
2. Tools & Software
- Unity Engine(3D Game), Tensorflow, Adobe After effects, Adobe Premiere Pro, Adobe Photoshop, Adobe Illustrator, Adobe Character Animator, Adobe InDesign, Adobe Audition, Office tools

3. Language skills
- English : OPIC IH(able to converse with ease and confidence when dealing with the routine tasks and social situations)