

## RESEARCH INTERESTS

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- **Computer Graphics**  
*Virtual Reality, Swarm Animation, GPU Programming*
- **Machine Learning**  
*Reinforcement Learning, Optimization Algorithm*

## EDUCATION

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| <b>Hallym University</b><br>Ph.D. in Convergence Software, Advisor: Prof. Sun-Jeong Kim   | Chuncheon, South Korea<br>Sep. 2017–present   |
| <b>Hallym University</b><br>M.Eng. in Computer Engineering, GPA: 4.38/4.50<br>– Thesis: “GP-GPU based Smoothed Particle Hydrodynamic Fluid Simulation”                                    | Chuncheon, South Korea<br>Mar. 2012–Feb. 2014 |
| <b>Hallym University</b><br>B.Eng. in Computer Engineering, GPA: 4.27/4.50, Rank: 2/71<br>– Yantai University - Hallym University Joint Program (3+2)<br>– Award: “Outstanding Graduates” | Chuncheon, South Korea<br>Mar. 2010–Feb. 2012 |

## WORKING EXPERIENCE

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|---|---|
| <b>Hallym University</b><br>Department of Convergence Software<br>– Research Assistant  | Chuncheon, South Korea<br>Sep. 2017–present |
| <b>Weifang Maternity and Child Care Hospital</b><br>Information Management Section<br>– Software Engineer<br>– Desktop Application Development (Qt), Web Service Development (Java, NodeJS) | Weifang, China<br>May. 2014–Sep. 2017       |

## SKILLS AND INTERESTS

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- **Professional Skills**  
*C/C++, Java, Python, Unity, Latex, Web, PostgreSQL, Tensorflow, Pytorch*
- **Languages**  
*Mandarin(native), Korean(fluent), English(literacy), Japanese(novice)*
- **Interests**  
*Soccer, Kendo, History*

## TEACHING

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- **Mentor** in *Unity Shader Programming* at Hallym University Fall 2019
- **Mentor** in *Web Application Development* in GVE Lab Winter 2018
- **Teaching Assistant** at Hallym University Spring 2013  
*Computer Graphics*  
*Smartphone Programming (iOS)*
- **Teaching Assistant** at Hallym University Fall 2012  
*Game Programming (DirectX 11)*  
*Smartphone Programming (iOS)*
- **Teaching Assistant** at Hallym University Spring 2012  
*Computer Programming (Java)*  
*Data Structure*

## HONORS AND AWARDS

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- Research Assistant Scholarship at Hallym University 2017–2020
- Teaching Assistant Scholarship at Hallym University 2012–2013
- Outstanding Graduates at Hallym University 2012
- Outstanding Performance Scholarship at Hallym University 2010, 2011

## EXTRACURRICULAR ACTIVITIES

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- Gangwon Foreign Student Ambassador 2019–present
- Member of Chuncheon Kendo Club 2019–present
- Member of Weifang Preventive Medicine Association 2018–present  
– *Medical Statistics Division*

## SELECTED PUBLICATIONS

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- [1] **Z.-S. Wang**, J. Lee, C. G. Song, and S.-J. Kim, “Data-driven point sampling with blue-noise properties for triangular meshes”, in *Proceedings of the 2020 3rd International Conference on Computer Science and Software Engineering*, ser. CSSE 2020, Beijing, China, 2020, pp. 77–82.
- [2] **Z.-S. Wang**, J. Lee, C. G. Song, and S.-J. Kim, “Efficient chaotic imperialist competitive algorithm with dropout strategy for global optimization”, *Symmetry*, vol. 12, no. 4, p. 635, 2020.
- [3] **Z.-S. Wang**, S.-W. Lee, and C. G. Song, “Unrealistic map based navigation system for pedestrian”, *Life Science Journal*, vol. 11, no. 7s, 2014.
- [4] **Z.-S. Wang**, J.-H. Choi, Y. Ko, and C. G. Song, “Using a smart phone as input device for pc”, in *Proceedings of the 2012 international Workshop on Advanced Image Technology*, ser. IWAIT 2012, Ho Chi Minh City, Vietnam, 2012, pp. 824–828.