

# Yukyeom Kim

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## EDUCATION

- **Ajou University** Mar '20 - Current  
*Department of Software and Computer Engineering* GPA : 3.92/4.5 (Major GPA : 3.96/4.5)

## EXPERIENCE

- **AJOU Computer Graphics Lab. (Prof. Ri Yu)** Dec '22 - Dec '24  
*Undergraduate Internship* Suwon, Korea  
– Interested in creating "Digital Humans" in the virtual world. Research humans for understanding, modeling, simulating, and analyzing humans.
- **NeuroSense** Jan '25 - Feb '25  
*Internship* Gwangmyeong, Korea  
– Collaborated with a defense company to develop a UI for controlling missile sensor and managed the data transmission process between the sensor, UI, and server, while visualizing data from temperature, humidity, and other sensors.
- **SoftWare Maestro** April '25 - Current  
*Trainee* Seoul, Korea  
– Launched a Japanese language learning service featuring conversational practice with anime-inspired characters, covering the entire process from item selection and planning to A/B testing, GA analysis, and user interviews for validation.

## PUBLICATION

- **Exercise Categorization and Analysis from Monocular Video**  
Yukyeom Kim, Ri Yu  
Korea Computer Graphics Society Academic Conference 2023 (KCGS '23), Jeju, South Korea, July 11-14, 2023
- **The novel Gait Cycle Detection Network (GCDN) for Video based gait Analysis based on single 2D RGB video**  
DaeYong Kim, YeonSoo Lee, Yukyeom Kim, JungHwan Shin, Clint Hansen, Walter Maetzler, Ri Yu  
2024 International Congress of Parkinson's Disease and Movement Disorders (MDS '24),  
Philadelphia, PA, USA, Sep 27-Oct 1, 2024

## RESEARCH INTERESTS

- **AI, Computer System Software**
- **Algorithm, Computer Graphics, Graph Theory, Number Theory**

## ACTIVITIES AND PROJECTS

- **Ajou Programming Contest (APC) - 2024** Mar - May '24  
*Director, Problem setter*  
– Annual ICPC-style programming contest held in Ajou Univ.  
– Managing Overall Schedule / Contest / PaperWorks  
– Making & Testing Problems
- **Ajou Programming Contest (APC) Extra - 2024** Nov - Dec '24  
*Director, Problem setter*  
– ICPC-style extra programming contest held in Ajou Univ.  
– Directing Overall Schedule / Contest / PaperWorks

– Making & Testing Problems

- **Analyze 'N Solve It (ANSI)**

*July '21 - Current*

*Member, President in 2024*

– Algorithmic problem solving club in Ajou University

– Ran algorithmic problem solving study group – {Beginner, Intermediate, Advanced} Algorithm study group  
– Directed several programming contests

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## FURTHER SKILLS AND QUALIFICATIONS

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- Software Skills : C/C++, Python, L<sup>A</sup>T<sub>E</sub>X

- Language : Korean(Native), English(Conversational, OPIc IM3), Japanese (Proficient, JLPT N1)

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## ACHIEVEMENTS AND HONORS

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\* ICPC : International Collegiate Programming Contest

• <b>34th Place</b> , ICPC Asia Seoul Regional	<i>Nov '23</i>
• <b>7th Place</b> , Ajou Programming Contest(APC)	<i>May '23</i>
• <b>Honorable Mention</b> , Study Group Contest in Ajou University (Mo-Gak-So)	<i>Jan '23</i>
• <b>8th Place among 134 Clubs</b> , Ajou Club Contest, as a President of A.N.S.I	<i>May '24</i>
• <b>3rd Place</b> , ICPC Asia Seoul Regional First Round in Ajou	<i>Oct '24</i>
• <b>Academic Scholarship (Dasan Scholarship)</b> , Ajou University	<i>Jul '20</i>
• <b>Academic Scholarship (Dasan Scholarship)</b> , Ajou University	<i>Dec '22</i>
• <b>Academic Scholarship (Dasan Scholarship)</b> , Ajou University	<i>Jul '23</i>
• <b>Academic Scholarship (Dasan Scholarship)</b> , Ajou University	<i>Dec '23</i>
• <b>Academic Scholarship (Dasan Scholarship)</b> , Ajou University	<i>Jul '24</i>