

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.

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

- **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

FURTHER SKILLS AND QUALIFICATIONS

- **Software Skills** : C/C++, Python, L^AT_EX
- **Language** : Korean(Native), English(Conversational, OPIc IM1), Japanese (Proficient, JLPT N1)

ACHIEVEMENTS AND HONORS

* ICPC : International Collegiate Programming Contest

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