

Wonjun Kim

✉ wonjun3529@yonsei.ac.kr 🌐 rkpg1 🌐 <https://rkpg1.github.io/>

Education

Mar 2022 – Present	Yonsei University <i>B.S. in Industrial Engineering</i> GPA: 4.21 / 4.30 (Ranked 1st out of 65)
Mar 2019 – Feb 2022	Busan Science High School <i>High school specialized in science and mathematics</i>

Research Interests

Computer Vision: Object Detection, Motion Estimation and Compensation
Video Frame Interpolation using Artificial Intelligence

Awards and Honors

2023 - Present	Yonsei Jinri Scholarship Merit-based scholarship, ₩ 4,000,000 (\approx \$ 3,000) partial tuition waiver
2024	Yonsei Highest (Distinguished) Honors: College of Engineering Top 1% of the students in respective grade and field of study
2023	Yonsei High Honors: College of Engineering Top 3% of the students in respective grade and field of study
2020	Gold Prize (Pusan National University President's Award) <i>Busan Regional Coding Contest (High school division)</i>
2020	Silver Prize <i>Hanyang University Computer Science Contest (High school division)</i> Ranked 18 th or above out of 1500
2019	Busan Future Scientist Award Achieved outstanding research results in Mathematics (High school division)

Projects

2023	Wonjun Kim , Minwoo Son, Sua Yang, Junhee Han <i>Analysis of Minimum Connecting Time at Megahub Airports: Evaluating Appropriateness and Optimization Strategies</i> Simulation: Course Project, 2023 Sep - Dec Participated as team leader, analyzed Minimum Connect Time at Singapore Changi Airport
2023	Wonjun Kim , Junchan Lee <i>Predicting the Relationship between Local Variables and Fine Dust in Seoul via Supervised Machine Learning</i> Advanced Programming: Course Project, 2023 Sep - Oct Participated as team leader, wrote the main machine learning code and analyzed whole dataset
2022	Wonjun Kim , Yunyoung Cho, Seongwoo Hong <i>Do Emotions Drive Comment Length? A Machine Learning Analysis of Hate Speech vs. Neutral Comments</i> Elementary Statistics for Industrial Engineering: Course Project, 2022 Apr - Jun Participated as team leader, wrote the main machine learning code and collected dataset from various websites

Publications

2020 | Seoyeon Kim, Wancheol Ryu, Taeyoung Ahn, **Wonjun Kim**
Research on Generation of Adversarial Examples using Open Source Library
The Journal of Youths in Scientific Research, Vol. 5, 2020

Experience

2023 - Present | **Department-level Tutoring**
Department of Industrial Engineering, Yonsei University
Conducted tutoring sessions on Machine Learning and Deep Learning with 6 to 8 participants

2020 - 2021 | **President of Computer Science Academic Club**
Busan Science High School, BIT
Organized and led a event on Computer Science with 25 members, overseeing projects and activities

Extracurricular Activities

2024 - Present | **Yonsei Music Composing Club**
MAY (MIDI Association of Yonsei)
Utilized absolute pitch ability to compose music in various genres

2019 - 2022 | **Busan Science High School Orchestra**
Served as principal piano, performing in 9 concerts
16 years of piano experience, can play most songs immediately by listening to them

Skills

Languages: Korean, English (fluent), Japanese (intermediate, JLPT N2)
Computer Languages: C/C++, Python, R
Tools: Microsoft Excel, Visual Studio