Sung Joo Kim

Nationality: Korean DOB: Apr 25,2002
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EDUCATION

Mar..2021-	**Seoul National University , College of Agriculture**	Seoul, Korea

Bachelors of Engineering in Biosystem Engineering, Artificial Intelligence
- ▪ GPA: 4.00 / 4.3
- ▪ Courses: Agricultural Economics

Dec.2020	**Daejeon Science High School for the Gifted**	Korea

Physics and Chemistry Major
- ▪ GPA: 3.98 / 4.3

WORK EXPERIENCE (Including Academic Projects)

Dec.2024-	**SNU Robot Learning LAB**	Seoul, Korea

Intern
- ▪ Research on Flow Matching for planning flexible behavior synthesis

Jun.2022- Dec.2022	**SNU Biosystems Control & Precision Lab**	Korea

Autonomous Car Racing Project, *AI team Leader*
- ▪ Developed a computer vision and odometry algorithm for autonomous driving
- ▪ Utilized Python, C to fusion depth camera and lidar for obstacle avoidance

Jun.2022- Dec.2022	**SNU Biosystems Control & Precision Lab**	Korea

Unmanned Orchard Robot Project, *Intern*
- ▪ Developed an Computer Vision model detecting orchard disease in unmanned orchard robot
- ▪ Utilized ROS, Python, C++ to synchronize odometry and orchard disease detection

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Opt.2024-	**SNUSV.NET Seoul National University Student Venture Network**	Seoul, Korea

36th Vice President, 35th Club Members
- ▪ Developed a curriculum to enhance student startups

June.2024 -Sep.2024	**Google Explore CSR program**	Korea

SNU GSDS AioT lab menti
- ▪ Research Study on Data Quantization, Pruning, Domain Adaptation
- ▪ Developed a shopping Assistance App for the Visually Impaired users

June.2024 -Sep.2024	**Google Machine Learning Bootcamp 2024**	Seoul , Korea

Bootcamp Participant
- ▪ Completion of Coursera Deep Learning Specialization and Google Gemini Sprint
- ▪ Utilized Gemini2-7B for developing an LLM model for pet healthcare

ADDITIONAL INFORMATION

Languages	Korean (Native), fluent in English (TOEFL 111), fluent in Japanese
Interests	Entrepreneurship, Fine art (contemporary art), Sports(golfing, surfing, climbing)
Skills	Pytorch, TensorFlow , Python, C, Linux, ROS, Javascript