**Juhyung Choi**
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**Local Address**
77, Cheongam-ro, Nam-gu, Pohang-si
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## EDUCATION

**Sejong University, Seoul, South Korea**                                        **February 2023**
- Bachelor of Data Science (Summa Cum Laude)
- GPA : 4.25/4.5, Major GPA : 4.32/4.5
- Relevant coursework : Artificial intelligence, Machine Learning, Linear algebra, Probability and Statistics

**POSTECH, Pohang, South Korea**                                               **2023 - Present**
- MS-Ph.D of Computer Science

## RESEARCH INTERESTS

- Computational Imaging
- Computer Vision
- Computer Graphics

## RESEARCH EXPERIENCE

**Environmental Big Data Laboratory**                              **March 2022 – June 2022**
- Working with Prof. Woosuk Choi.
- Developed carbon monoxide emission estimation model based on traffic volume in downtown Seoul.

**POSTECH-CGLAB-Collab**                                          **July 2022 – August 2022**
- Working with Prof. Seung-Hwan Baek.
- Implement spatial probing, spectral probing by using PBR tool Mitsuba3.
- Understand and improve codebase compared to Mitsuba2.

## Publications

**Dual Exposure Stereo for Extended Dynamic Range 3D Imaging**          **CVPR 2025**
**Juhyung Choi**, Jinnyeong Kim, Juhyung Choi, Jinwoo Lee, Samuel Brucker, Mario Bijelic, Felix Heide, Seung-Hwan Baek.

## PROJECT

**CapStone Project**                                              **March 2022 – June 2022**
- Role : Data Preprocessing, Modeling, Backend
- Developed a model for detecting incongruent news which is news that deals with unrelated content in the title and text of the news.

**SOCAR BootCamp Project**                                 **November 2021 – January 2022**
- Role : Data Preprocessing, Modeling
- Improved low-light damaged vehicle photos via deep learning models to solve the problem that SOCAR's damaged vehicle detection model shows vulnerability to images taken in dark places.

## EXTERNAL ACTIVITIES

**Like Lion, Coding Education Volunteer Club**          **April 2019 –October 2019**

- Conducted a coding education volunteer program 6 times at Do-Nong high school.
- Assisted the students as teaching assistant during the study session.

## SCHOLARSHIPS

Academic Excellence Scholarship (2018-1, 2021-1, 2022-1)
Programming Contest Scholarship (2017-2, 2018-2)

## Qualifications

TOEIC : 940/990          **Faburary 2022 (Test date)**