Seoyong **Lee**

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"Everything's gonna be alright"

Education

Seoul National University *Seoul, Korea*
DEPT. OF ELECTRICAL AND COMPUTER ENGINEERING *03/2020–12/2022*
Leave of abscence for alternative military service(01/2023-12/2024) **GPA : 4.26/4.3**

Korea Science Academy of KAIST *Busan, Korea*
DEPT. OF ELECTRICAL AND COMPUTER ENGINEERING *03/2017–02/2020*
Graduated with distinction in overall GPA, Busan Mayor's award *GPA: 4.27/4.3*

Research Interests

QUANTUM MECHANICS; PHOTONICS; AI FOR HEALTHCARE AND MEDICAL DEVICES; DEEP LEARNING; MATHEMATICAL ALGORITHMS

WORK EXPERIENCE

AB180 *Seoul, S.Korea*
DATA SCIENTIST *10/2023–Current*

– solving problems related to linear regression, constrained optimization, and machine learning
– Implemented ML models regarding LT(last touch data) guided MMM(marketing mix modeling)

AIRS MEDICAL *Seoul, S.Korea*
RESEARCH SCIENTIST *01/2023–10/2023*

— Implemented SOTA deep-learning architectures to improve image restoration(denoising, super-resolution) performance and to mitigate artifacts produced by deep learning
— Implemented mathematical algorithms for MRI reconstruction

SELECTED HONORS & AWARDS

NATIONAL SCIENCE TECHNOLOGY SCHOLARSHIP *2022.01–Current*
– full funding for honorable undergraduates from Korean government
– $10K financial support in total

2021 ICPC ASIA SEOUL REGIONAL *10/2021 - 11/2021*
– Annual competitive programming competition among the universities of the world
– 1st round 14th place
– 2nd round 23rd place

SCHOLARSHIP FOR ACADEMIC EXCELLENCE *2021, 03/2017-02/2020*
– $10K financial support over the period

KOREAN YOUNG PHYSICISTS' TOURNAMENT, GRAND PRIZE *2018*
– Preliminary round of International Young Physicists' Tournament (IYPT)
– Conducted research on open-ended real-world problems related to physics – "Conical Piles" and "Weighing Time"(Grand Prize, 1st place)
– Minister of Science and ICT Award

ACTIVITIES

Alkul, SNU
STUDENT REPRESENTATIVE

Seoul, S.Korea

2022 2023

– Student representative in Alkul, ukulele club of Seoul National University

Academic Mentor, SNU
SUBJECT : INTRODUCTION TO ALGORITHMS

Seoul, S.Korea

2022

– Mentoring program governed by ECE department of Seoul National University

CAMBORNE SCIENCE AND INTERNATIONAL ACADEMY
EXCHANGE STUDENT

Camborne, United Kingdom

07/2019

– expense fully covered by Korea Science Academy of KAIST

IMPERIAL GLOBAL SUMMER SCHOOL
PROGRAMME: PHYSICS

London, United Kingdom

07/2018

– Science camp with research & cultural experience in Imperial College London
– expense fully covered by Korea Science Academy of KAIST

SKILLS

LANGUAGE	KOREAN(NATIVE), FLUENT ENGLISH(NEWTEPS : 483)
PROGRAMMING	C++, PYTHON, PYTORCH, NUMPY, SCIPY, PANDAS, MATLAB