JUNGGEUN DO

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Education

Seoul National University   Mar 2015 – Aug 2024
Double Major in Physics and Economics; Minor in Computer Science and Engineering   *Seoul, South Korea*

Gyeonggi Science High School for the gifted   Feb 2012 – Feb 2015
Mainly focused on physics   *Suwon, South Korea*

Publication

- **Junggeun Do**, Jaeseong Lee and Seung-won Hwang. 2024. ContrastiveMix: Overcoming Code-Mixing Dilemma in Cross-Lingual Transfer for Information Retrieval. NAACL 2024 (short).

Experience

Structure and Knowledge Injection into Machine Learning Lab   Jan 2024 – Present
Research Assistant (advisor: Jay-Yoon Lee)   *Seoul National University*
- Exploring how to use energy network as a trainable loss function

Language & Data Intelligence Lab   Apr 2023 – Feb 2024
Research Assistant (advisor: Seung-won Hwang)   *Seoul National University*
- Explored to improve low-resource information retrieval
- Explored to improve retrieval-based LM on ODQA

Gravity Labs Co., Ltd. (blockchain startup, raised $2m to date)   Sep 2022 – Mar 2023
Software Engineer, founding member   *Seoul, South Korea*
- Developed mobile applications, websites and smart contracts

VoyagerX (AI-based startup raised $27m from SoftBank, others)   Mar 2022 – Aug 2022
Deep Learning Engineer   *Seoul, South Korea*
- Developed end-to-end text-to-speech synthesis models
- Explored to develop photo-realistic hairstyle transfer models

Kakao Enterprise Corp.   Sep 2021 – Feb 2022
Machine Learning Engineer Intern, AI Lab   *Seongnam, South Korea*
- Explored low-resource domain adaptation for neural machine translation
- Explored to develop style-controllable neural machine translation models

Leadership / Extracurricular

Undergraduate TA   Mar 2024 – Jun 2024
Data Structure   *Seoul National University*
- Taught data structure with examples and answered students' questions

Undergraduate TA   Mar 2024 – Jun 2024
Foundation of Physics 1   *Seoul National University*
- Tutored undergraduate students with no background in physics

Military Service   Feb 2020 – Sep 2021
Reserved Sergeant   *Republic of Korea Army*
- Served as a military driver and squad leader

Undergraduate Students' Government   Dec 2018 – Nov 2019
President   *Seoul National University*
- Worked as the president directly elected by all undergraduate students

Scholarships and Awards

The Presidential Science Scholarship   Mar 2015 – Feb 2020
Korea Student Aid Foundation   *Seoul National University*
- Full tuition coverage for 4 years with a stipend of 2.5 million KRW of support per semester

Samsung HumanTech Paper Award   Feb 2014
Samsung Electronics   *Gyeonggi Science High School for the gifted*
- Awarded a bronze prize for the paper titled "Method to increase efficiency of wireless transfer system based on magnetic resonance: single and multiple receivers."