

# Soohyun Jeon

<https://jeonshyun.github.io/>  
shjeon2007@gmail.com

## Education

---

|  |  |
|--|--|
| <b>Korea University</b><br><i>B.S. Life Science, Brain and Cognitive Science</i> | 2017.03 – 2021.08<br><i>Seoul, South Korea</i> |
| <b>Korea University</b><br><i>M.S. Brain and Cognitive Engineering</i>           | 2021.09 – Present<br><i>Seoul, South Korea</i> |

## Research Experience

---

|   |  |
|---|--|
| <b>iPEL Laboratory Internship</b><br><i>Korea University</i> <ul style="list-style-type: none"><li>• Basic biological experiment technique</li><li>• Plant molecular signaling</li></ul>  | 2018.12 – 2019.01<br><i>Seoul, South Korea</i> |
| <b>Neuroscience Laboratory Internship</b><br><i>Korea University</i> <ul style="list-style-type: none"><li>• ADHD animal mouse model with dopamine hypothesis</li><li>• Experiment setting: working memory task (novel object task)</li><li>• Experiment setting: impulsivity (Arduino)</li><li>• Graduation thesis</li></ul> | 2020.02 – 2021.03<br><i>Seoul, South Korea</i> |
| <b>BSPL Laboratory Internship</b><br><i>Korea University</i> <ul style="list-style-type: none"><li>• Imaging research</li><li>• Stroke</li></ul>  | 2021.01 – 2021.08<br><i>Seoul, South Korea</i> |
| <b>BSPL Laboratory Graduate Student</b><br><i>Korea University</i> <ul style="list-style-type: none"><li>• Imaging genetics</li><li>• Cha hospital data</li><li>• Stroke</li></ul>  | 2021.09 – Present<br><i>Seoul, South Korea</i> |

## Thesis

---

Jeon, Soohyun, et al. "Comparing variants related to chronic diseases from genome-wide association study (GWAS) and the cancer genome atlas (TCGA)." (2023).

## Conference

---

Spatial localization of lower limb movement on whole brain using 3D-pose estimation: an fMRI study., OHBM, 2021.01  
Cortical localization of lower-limb movement using 3D-pose with MRI-compatible lowerlimb movement device, BESK, 2021.08  
Analysis of 3D movement parameter with fMRI to identify the pattern of lower-limb movement, KHBH, 2021.11  
Identification of the independent components of the attention-deficit hyperactivity disorder using fMRI and gene expression data, BESK, 2022.02

**Identification of the components of attention-deficit/hyperactivity disorder using stop signal task-based fMRI and gene expression data, KHB, 2022.11**

Transfer Learning to Predict General Psychopathology Factor (p-factor) using Scanner-Generalization Neural Networks in Adolescents based on Resting-State Functional Connectivity , KHB, 2021.11

#### *Other Experience*

---

**Artificial intelligence researcher**

2020.12 – 2021.08

*Likenot team (Startup), Poola*

*Seoul, South Korea*

- Data collection and analyzing
- Create deep learning models: CNN autoencoder
- Launching Poola service

**Kaggle**

2021.11 – 2022.01

*Cellgmentation*

*Seoul, South Korea*

- Data collection and analyzing
- Image segmentation

#### *Awards & Honors*

---

**Studying scholarship**

*Korea University*

*2019, 2020*

**Special scholarship**

*Korea University*

*2019, 2020*

#### *Specialized Skills*

---

**Programming Languages:** Python (intermediate), R (beginner), Matlab (beginner)

**Language:** Korean (Advanced), English (intermediate)

#### *Other Interests*

---

**Hobbies:** reading books, writing essay, playing the contrabass

**Club:** Korea University Orchestra, book club, rock band