

# Ji Su Park

## Neuroscience graduate

Driven Neuroscience graduate with extensive laboratory research as well as entrepreneurial and consulting experience. Analytical and detail-oriented team player with broad background in science and visual art. Complementary skills in programming, UX/UI design and product planning. With my combined expertise, I'm passionate to develop inclusive and comprehensive healthcare services in the future.

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## EDUCATION

### Bachelor of Science in Neuroscience with Minor in Visual Arts

Sep 2014 – May 2018

Johns Hopkins University

Baltimore, Maryland

#### Relevant course work

- Introduction to Programming, Probability and Statistics, Nervous System, Intro to Cognitive Neuropsychology
- Digital Photography, Painting Workshop II, Studio Drawing, Photo and Text

Brent International School Manila

Sep 2010 – May 2014

Manila, Philippines

## WORK EXPERIENCE

### Assistant Manager

Exogen Pte. Ltd.

Nov 2019 - May 2020

*A Singapore based consulting company focused on oversea expansion of biotech companies*

#### Achievements/Tasks

- Worked on Singapore expansion of biomarker based breast cancer screening product for a company.
- Planned, directed and produced sales/marketing materials for Singaporean consumers and medical professionals.
- Prepared presentations for overseas expansion for countries such as Saudi Arabia, China, Singapore, Brazil and others.

### Research Analyst

A.T. Kearney

Sep - Oct 2019

*A consulting company*

#### Achievements/Tasks

- Worked as a research analyst for a conglomerate on Digital Transformation strategy project.

### Research Intern

Kantar Healthcare

Aug-Sep 2019

*A Market Research company*

#### Achievements/Tasks

- Worked as an intern to review/gather data and to translate interviews for market research project on arthritis biologics medicine.

### Research Assistant

The Sung-Yon Kim Laboratory

Oct 2018 - May 2019

*A neuroscience lab at Seoul National University*

#### Achievements/Tasks

Expansion Microscopy (Optical microscopy technique)

- Worked on developing new method for expansion microscopy.
- Utilized a confocal microscope to image Thy-1 mouse brain tissues, C. elegans and human samples before and after expansion.

Homeostasis on Mouse Model (Optogenetics)

- Performed stereotaxic surgery on mouse such as virus injection and fiber photometry implants.
- Performed behavioral experiments using optogenetics to discover relationships between homeostasis and various brain regions such as lateral parabrachial nucleus and lateral hypothalamus.

Contact: Sung-Yon Kim, Associate Professor of Chemistry  
sungyonkim@snu.ac.kr

## Research Assistant

The Seth Blackshaw Laboratory

*A neuroscience lab at Johns Hopkins Medical Campus*

Dec 2017 - May 2018

### *Achievements/Tasks*

- Worked with Dr. Fatemeh Rajaii on researching the orbital fat cell differentiation and hormonal effect in mice and human
- Investigated Thyroid associated orbitopathy (TAO) using mouse model

*Contact: Fatemeh Rajaii, Assistant Professor of Ophthalmology Wilmer Eye Institute  
frajaii1@jhmi.edu*

## LEADERSHIP EXPERIENCES

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### Joo-Young Jeong Entrepreneurship Competition

May 2020

**Project leader, UI/UX designer**

Designed a pet supply information search and recommendation app service.

### IBM Call for Code Hackathon

Jun 12 - 13, 2020

**Project leader, Front-end coder, UI/UX designer**

Team "Forthebetter" - Designed and developed a prototype app for block-chain based donation app service.

### Shinhan Bank Service(product) Designer Bootcamp

Jul - Aug 2020

**Product designer, UI/UX designer**

Designed and developed a pet obesity management app service through extensive user research.

## VOLUNTEER EXPERIENCE

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### Paralympic Sport Boccia Practice for Cerebral Palsy Patients

Dec 2014 - Jan 2015

**Activity Supporter**

Supported and assisted Boccia practice for Cerebral Palsy patients.

## TECHNICAL SKILLS

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### Programming

Python, MATLAB, JavaScript (React Native), HTML, CSS

### Design Tools

Adobe Photoshop, Lightroom, Illustrator, InDesign, XD, 3ds Max, Zbrush

### Microsoft Office

Proficient in Word, Excel and highly experienced in PowerPoint

## PUBLICATIONS

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*Wiley Online Library*   Advanced Science

Sep 30, 2019

### Scalable and Isotropic Expansion of Tissues with Simply Tunable Expansion Ratio

*Authors*

Han-Eol Park<sup>1</sup>, Dongkil Choi<sup>1</sup>, **Ji Su Park**, Changgon Sim, Sohyun Park, Sunah Kang, Hyunsoo Lim, Myungsun Lee, Jaeyoun Kim, Jinyoung Pac, Kunsoo Rhee, Junho Lee, Yunjong Lee, Yan Lee\* and Sung-Yon Kim\*