

# KYOCHUL JANG

+1 765.430.5851 | [gcj1234567890@gmail.com](mailto:gcj1234567890@gmail.com) | LinkedIn <https://bit.ly/3nKDBIr> | Website [kyochuljang.com](http://kyochuljang.com) | GitHub [github.com/OfficerChul](https://github.com/OfficerChul)

## EDUCATION

### Purdue University

Bachelor of Science in Computer Science  
Concentration: Machine Learning

West Lafayette, IN

Expected Graduation: December 2023

## PERSONAL PROJECTS

### Neural Data Analyzation Program - Python Dash

08/2022

- Built a user-friendly GUI web application to help neuroscientists plot and analyze neural data without writing a code
- Learned Python Dash library to build the web app and SciPy library for processing noise signals in the neural data

### Personal Website - React.js, CSS, HTML

08/2022-Present

- Built my website for my portfolio using React.js, CSS, and HTML from scratch without using a template
- Utilized React.js hooks for reusable code and Netlify to deploy

### Online Networking Platform - Java

11/2020-12/2020

- Designed a social network application for job seekers to upload their introduction and interests for recruiters, like LinkedIn
- Tested every function of the program made by teammates with the JUnit test and resolved the defects of the program

## EXPERIENCE

### Undergraduate Research Assistant

10/2022-Present

SIMPLE Laboratory - Purdue University

West Lafayette, IN

- Built and optimized an Object Detection model, a Computer Vision technology based on YOLO, to detect a human-classified object from 30000 videos with 1400 GB
- Processed the data for the use of Human Pose Estimation using Machine Learning

### Undergraduate Teaching Assistant – CS 17700

08/2022-Present

College of Science, Purdue University

West Lafayette, IN

- Mentored students through a personal office hour and assisted with debugging approaches
- Instruct course materials to students and help Graduate Teaching Assistant to supervise and grade students' lab

### Undergraduate Researcher

05/2022-08/2022

Human Brain Function (HBF) Laboratory - Seoul National University (SNU)

Seoul, KR

- Analyzed and presented various Machine Learning models' efficiency, including DNN and RNN, in Deep Learning Study
- Implemented Speech-Decoding experiments in people with epilepsy and analyzed the neural data to find features for the SVM Machine Learning model in a four-billion-dollar government-led "Alchemist" project

### Web Development Tutor

05/2022-08/2022

Independent

Seoul, KR

- Tutored two design students in web development and helped to create and deploy their websites from the scratch
- Designed a 12-week course about web development | Course Website: <https://officerchul.github.io/webDev101/>

### Undergraduate Data Science Researcher

08/2021-05/2022

The Data Mine, Purdue University - UPS

West Lafayette, IN

- Collaborated with UPS on Cross Reference and used Python and PowerBI to data to give UPS insight into what portfolio companies to invest
- Developed a predictive model by using a K-means algorithm in the Scikit-Learn framework to identify the potential of portfolio companies for UPS to partner with

### Moderation Intern

06/2020-07/2020

Bridging Group Korea

Seoul, KR

- Managed about 500 buyers and sellers in countries abroad using Korean, English, and Chinese, and moderated an event called SPP2020, sponsored by a Korean government agency, Seoul Business Agency
- Developed interpersonal communication skills with clients and colleagues by making contracts between business partners from all over the world

LEADERSHIP EXPERIENCE

<b>Recruitment Liaison Team Leader</b>	08/2021-Present
Purdue Korean Association (PKA)	West Lafayette, IN
<ul style="list-style-type: none"><li>Lead the largest team in the association with 10 team members and cooperate with Korean Companies to hire global talent</li><li>Reached out to global companies like Samsung, LG, and SK to fundraise donations to secure club operation fees</li></ul>	
<b>Squad Leader</b>	08/2018-03/2020
Republic of Korea Military	Seoul, Korea
<ul style="list-style-type: none"><li>Served as a squad leader of a radio operation squad in the military at Capital Defense Command</li><li>Worked as a translator of English, Chinese and Korean at Army Headquarters</li></ul>	

AWARDS AND HONORS

<b>Semester Honors</b>	Spring 2021
<b>Dean’s List</b>	Fall 2021
<b>Dean’s List</b>	Spring 2022

SKILLS

<b>Languages:</b> English (Full Professional Proficiency), Chinese (Full Professional Proficiency), Korean (Native)	
<b>Programming Languages:</b> Python, Java, C, C++, R, JavaScript (React.js), LaTeX, CSS, HTML	
<b>Tools:</b> GitHub, OBS, Visual Studio Code, Artificial Neural Network (ANN), TensorFlow, Premiere Pro	
<b>Certification:</b> HSK (Level 6), Craftsman Information Processing   <b>Dean’s List:</b> 2022 ~ Present	