KYOCHUL JANG

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EDUCATION

Purdue University   West Lafayette, IN
Bachelor of Science in Computer Science   Expected Graduation: December 2023
Concentration: Machine Learning

PERSONAL PROJECTS

Neural Data Analyzation Program - Python Dash   08/2022
- Built a GUI web application to help neuroscientists plot and analyze neural data without writing a code
- Used 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

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

Undergraduate Teaching Assistant – CS 17700   08/2022-Present
College of Science, Purdue University   West Lafayette, IN
- Teach Programming with Multimedia Objects as a lab instructor and hold personal office hours
- 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 analyze the dataset that was provided by UPS using internal and external resources 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 with the data 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

Recruitment Liaison Team Leader 08/2021-Present
Purdue Korean Association (PKA) West Lafayette, IN
- Lead the largest team in the association with 10 team members and cooperate with Korean Companies to hire global talent
- Secure club operation fees by receiving donations from companies such as Samsung Electronics, LG, or SK innovation. We have raised $7000 this semester

Squad Leader 08/2018-03/2020
Republic of Korea Military Seoul, Korea
- Served as a squad leader of a radio operation squad in the military at Capital Defense Command
- Worked as a translator of English, Chinese and Korean at Army Headquarters

AWARDS AND HONORS

Dean's List 05/2022

SKILLS

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