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 — GPA: 3.66 / 4.00
Courses: Object-Oriented Programming, Foundations of Computer Science, Programming In C, Computer Architecture, Data Structures And Algorithms, Systems Programming, Linear Algebra, Multivariate Calculus, Python Programming, Intro To Artificial Intelligence, Intro Analysis Algorithms, Information Systems, Tools, Python Programming, Statistics For Data Science, Web Application Development, Microeconomics, Intro Accounting, The Data Mine I, II, III

PROJECTS

Neural Data Analyzation Program — 08/2022
Python Dash — Seoul, KR
- Built a GUI web application that helps neuroscientists to 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 — 08/2022-Present
React.js, CSS, HTML — West Lafayette, IN
- Built my website for my portfolio using React.js, CSS, and HTML from scratch without using any template

Online Networking Platform — 11/2020-12/2020
Java — West Lafayette, IN
- Built a social network application that job seekers can upload their introduction and interests for recruiters, like LinkedIn
- Tested every function of the program made by teammates by utilizing the JUnit test and resolved the defects of the program

EXPERIENCE

Undergraduate Teaching Assistant – CS 17700 — 08/2022-Present
College of Science, Purdue University — West Lafayette, IN
- Grade students' lab score and manage them
- Help Graduate Teaching Assistant to supervise the lab and exam, and explain course materials to students if they have questions

Undergraduate Researcher — 05/2022-08/2022
Seoul National University (SNU) - Human Brain Function (HBF) Laboratory — Seoul, KR
- Implemented Speech-Decoding experiments in epileptics and analyzed the neural data to find features for the Machine Learning model as a speech BCI software researcher in a four-billion-dollar government-led "Alchemist" project
- Implemented Machine Learning models and presented the analysis of the models, including DNN in Deep Learning Study

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 in 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 analyzed dataset that was provided by UPS using internal and external resources
- Developed a predictive model by using a K-means algorithm in the scikit-learn framework with the data to identify potential opportunities (portfolio companies) for UPS to partner with
- Conducted research by using Python to process the dataset and used Power BI to visualize the processed data

Student Office Staff — 08/2021-05/2022
Purdue University Residences — West Lafayette, IN
- Served as a front-line representative of University Residences within First Street Towers residence hall
- Learned how to treat customers in various situations and how the Residence system works at Purdue University

EXTRA-CURRICULAR ACTIVITIES

Recruitment Liaison Team Leader — 08/2021-Present
Purdue Korean Association (PKA) — West Lafayette, IN
- Secure club operation fees by receiving donations from companies such as Samsung SDI or SK innovation. We have raised $2000 this semester so far
- Lead the largest team in the association with 10 team members and helped Korean Companies to hold their on-campus career fair

Vice President — 08/2021-Present
Neurotech Society at Purdue — West Lafayette, IN
- Build an electroencephalogram cap and implement a project for a NeurotechX competition
- Facilitate executive decisions to increase club involvement and member collaboration

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