

JINMOO YOO

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Website: <http://yoojm.com/> | Github: <https://github.com/jinmooxd/> | LinkedIn: <https://www.linkedin.com/in/jinmoo-yoo/>

EDUCATION

RICE UNIVERSITY

Houston, TX, USA

Major: Computer Science (BS) & Operations Research (BA)

2022-2026

- **Awards & Accomplishments**

- Vietnam Mathematics Olympiad Competitor
- United Kingdom Mathematics Trust Gold Medalist & Kangaroo Invitee
- Invited TEDx Speaker: [Why the Future of Environmental Remediation Begins with Data Science](#)

- **Relevant Technical Skills / Tools:**

- Python, Selenium, Scikit-Learn, Pandas, Keras, Tensorflow, PyTorch, Streamlit, R, JavaScript, HTML, CSS, SQL, Tableau, Bootstrap 5, ReactJS, NodeJS, Git, Docker, Azure, Anaconda, venv, Linux, WSL

EXPERIENCE

TESSER

Seoul, South Korea

Artificial Intelligence Research Intern

May 2023 - July 2023

- Employed KoNLPy to fine-tune the GPT-3 davinci model to perform medical symptom labeling tasks (assign user symptoms); used output data to develop and train a multi-classification model that classifies three menstrual diseases by ensembling a GRU, Catboost, LGBM and XGBoost classifier model paired with a support vector machine to better predict differences between 2 classes
- Integrated the developed models and recommendation system using Docker and developed a working web app using Streamlit to provide personalized product recommendations based on user's situation and preferences
- Orchestrated VC meetings, pitched ideas, optimized costs, and fostered partnerships to enhance product efficiency & impact

TERACOMIX STUDIOS

Seoul, South Korea

Software Engineer Intern

Jun 2022 - Sep 2022

- Built the website user-interface using HTML, CSS, JavaScript and plug-ins/add-ons to build, enhance and troubleshoot the website and its capabilities
- Implemented front-end architecture through ReactJS to design user-facing features and building reusable components and front-end libraries for easy development in the future
- Gained experience with the Git Version Control System and RESTful APIs
- Published Website: <https://teracomix.com/new>

UNIVERSITY OF VIRGINIA

Charlottesville, VA

Machine Learning Researcher & Co-Author

May 2021 - Aug 2022

- Published and authored the peer-reviewed article "[Analyzing Consumer Behaviors and Attitudes Towards Plastic Bag Consumption in Hanoi Wet Markets](#)" by working with professors and researchers from the University of Virginia, Duke University, UC Berkeley and TU Delft University
- Designed and surveyed 500+ stated preference surveys on wet market consumers; wrangled & analyzed the data by using pandas and sklearn to train a k-nearest neighbor model, decision tree model, and a simple linear regression model. Used test data variables (survey responses) to predict change in consumers' awareness for the environment
- Designed and conducted an A/B test on 1200+ consumers at two homogeneous wet markets to determine effect of price on bag usage decision; employed pandas to analyze A/B Test results and present solutions to encourage eco-friendly alternatives

PROJECTS

[Chevron: Machine Learning Bot](#) (Rice Datathon 2023)

Jan 2023

- *Client: Chevron*; Used pandas to wrangle/analyze Chevron's data on 32 different environmental indicator variables. Used sklearn to train Gaussian Process Regression models, PCA model and naive models to predict the state with the highest renewable energy investment ROI for Chevron.

[Play Zetamac](#) (Arithmetic Drill Game)

Nov 2022

- Used **Python's selenium** library to create a bot that scrapes data off of the Zetamac website and solve mathematical inequalities & equations
- Created a **virtual environment** so other users can run the script without needing to pip install selenium and other libraries