Sean Youngseon Lee

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EDUCATION

University of California, Irvine B.S. Data Science
- **Relevant Coursework:** Statistical Computing and Exploratory Data Analysis, Programming in C/C++, Seminar in Data Science, Statistical Methods for Data Analysis, Bayesian Statistics

PROJECTS

NeruoQ | https://neuroq.vercel.app/   07/2024 - 08/2024
- An interactive website built with NextJS and TensorFlowJS, where users can test the ML models directly
- Utilized CNN supervised learning and transfer learning of the EfficientNetV2B3 model from TensorFlow Hub with **99.11%** accuracy, **99%** precision**, 99%** F1 score**,** and **99%** recall

Hyundai Autonomous Driving Camera   11/2021 - 04/2023
- Lead data scientist in an autonomous vehicle program sponsored by Hyundai
- Image processing in MATLAB to detect defects in the camera through the quantification of the RGB in videos

Accenture Energy Usage Prediction in California | [Google Slides](#)   04/2023 - 06/2023
- Led a project sponsored by Accenture to predict the monthly energy consumption of California and submitted a paper to Energy Exploration & Exploitation
- Utilized the seasonality of average gas prices by state to predict the future energy consumption of California
- Data wrangling, data processing, SARIMAX, LSTM, Decision Tree, Linear Regression

EXPERIENCE

Dr. Yoonjin Won's Thermodynamics Lab (UCI)- Research Assistant   11/2021 - 04/2023
- Engaged in the **Hyundai Autonomous Vehicle Project** to analyze degradation in cameras under extreme conditions
- Analyzed thousands of images through MATLAB's Statistics and Machine Learning Toolbox

Chodang Tofu House - Data Analyst   03/2023 -06/2024
- Communicated business goals, evaluation methods, confounding factors, and findings to stakeholders, concluding that focusing on side-dishes would drive the highest sales rather than promoting entrées
- Analyzed earnings data to create plots and machine-learning models
- **81.13%** promotional product increase & **7.18%** revenue increase during the event period

CERTIFICATIONS

TensorFlow Developer Certificate   January 2024
AWS Cloud Practitioner   June 2025

SKILLS/INTERESTS

Skills: R, SQL, Python, TensorFlow, Keras, NumPy, Pandas, Scikit-Learn, OpenCV, C++, MATLAB, Jupyter Notebook, PyCharm, NextJS, AWS Cloud