

Sunwoong Jang

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EDUCATION

University of California – Los Angeles

Los Angeles, CA

Bachelor of Science Cognitive Science

Santa Monica College

Santa Monica, CA

Coursework: Intro to C++, Data Structures and Algorithms

Graduation Date: Mar 2024

Cornell University

Remote

Machine Learning Foundations e-Certificate, Break Through Tech

Graduation Date: Aug 2024

PROJECT EXPERIENCE

Income Level Prediction Engine

Los Angeles, CA

AI Studio Fellow

Aug 2023 - Aug 2023

- Utilized data visualization techniques with sci-kit to identify trends and patterns in the data, leading to a 20% improvement in decision-making processes.
- Developed and optimized a Random Forest classifier to predict income levels using top features such as age, capital gain, and hours per week, achieving an accuracy of 85.3% and an ROC AUC score of 0.9109

WORK EXPERIENCE

SparkRockets

Los Angeles, CA

AI Studio Project

Aug 2024 - Dec 2024

- Utilized data preprocessing techniques with NumPy and Pandas to clean and enhance datasets for startup ideas and venture capital criteria, resulting in a 30% increase in accuracy for investor matching models.
- Applied advanced data analysis techniques with Numpy, Pandas, and scikit-learn to develop a machine learning algorithm that accurately predicted investor behavior, resulting in an 80% increase in successful matches for investment opportunities.
- Implemented innovative natural language processing (NLP) techniques, including count vectorization and Cosine Similarity, for text classification algorithms to accurately analyze over 1000 investment pitches, resulting in a 25% improvement in matching accuracy.

University of Southern California (USC) - SEEDS Program

Los Angeles, CA

Intern

Sep 2023 - Jun 2024

- Provided personalized mentorship to 10 marginalized students, boosting their confidence in STEM subjects and helping them achieve a 20% improvement in their grades.
- Utilized Canva and Instagram to craft engaging social media posts, resulting in a 20% increase in user engagement and a 15% growth in follower count.

LEADERSHIP EXPERIENCE

Break Through Tech

Los Angeles, CA

AI Program, Member

Mar 2024 - Present

- Selected from 1500+ applicants for the Break Through Tech AI Program at Cornell Tech.
- Participant in 12-month long program including Machine Learning coursework with Cornell faculty, experiential learning experiences, and mentorship from industry professionals.

SKILLS & INTERESTS

Skills: Python, C/C++, MySQL; **Tools:** NumPy, Pandas, Matplotlib, Keras, scikit-learn, Jupyter