

Jack Lim

Jklim@ucsd.edu | (619)509-3136 | [linkedin.com/in/jklim3/](https://www.linkedin.com/in/jklim3/) | github.com/jackljkl | jackljkl.github.io/

EDUCATION

Bachelor of Science in Data Science | Minor in Math
University of California, San Diego (UCSD), GPA:3.76

Expected Graduation: Dec. 2024
Provost Honors & Honors in Mathematics

TECHNICAL SKILLS

Languages- Python, Java, R, SQL

ML - Pytorch, Scikit-Learn, Tensorflow, Dask

Web Services - AWS (Lambda), Oracle

Others - Git, Github, LaTeX, MYSQL

PROFESSIONAL & INTERNSHIP EXPERIENCES

Software Engineer | Global Genesis (M) Sdn Bhd | Kuala Lumpur, Malaysia

Aug 2023 - Present

- Implemented and programmed a solution for Nabati Foods, where I executed data mapping by transforming addresses into Lat, Lng using REST APIs. Enabling effective plotting of these locations on a geomap.
- Creating a MySQL Heatwave ML model for Nabati using AutoML, which forecasted monthly sales rates and various seller metrics. This was accomplished by leveraging real-time data retrieved from the MySQL Database.

Data Science Intern | Center For Community Energy | San Diego, CA

Feb 2023-Sep 2023

- Designed and constructed an application that visualizes an isochrone map using TravelTimeAPI, depicting the accessible distances achievable from public transportation in San Diego, via walking, biking or using an E-bike.
- Authored and collaborated on the creation of a report concerning the Isochron for SANDAG.
- Collaboration with Open Doors, where I manage, parse and prepare data on a large scale. To facilitate a Mail Merge initiative aimed at reaching out to plot owners. This outreach encourages them to leverage their available land resources for the installation of solar panels, capitalizing on the potential for sustainable energy generation.

RELEVANT PROJECTS

Deep Learning for Climate Model Emulation | UCSD Senior Project

Sep - Present 2023

- Extends the ClimateBench model by integrating diverse climate models for high-resolution, uncertainty-informed predictions. Utilized TensorFlow for CNN and Gaussian Process development, processing NorESM2 and CMIP6 data via NetCDF files with Xarray. Implemented on NCAR's High-Performance Computing services

Loan Prediction Project | ML Project

Feb- Mar 2023

- Analyzed and refined a large dataset, conducting data cleansing and feature engineering. Developed and optimized predictive models like Random Forest, Decision Trees and Regression models for loan approvals using Scikit-learn, and then coded a user-friendly, accessible working example.

CAMPUS LEADERSHIP

Vice President External | UCSD Data Science Student Society

Apr 2023 - Present

- Lead the outreach efforts to forge collaborations and secure sponsorships for the organization .
- Assumed a leadership role in organizing prominent professional events, including the ML Ops Panel, which featured engineers from industry giants such as Google, Apple, and Realtor.
- Co-Director of annual DataHacks hackathon event at UCSD.

Treasurer | UCSD Club Swim

May 2023 - Present

- I manage club finances, focusing on keeping expenses within budget while tracking all expenditures and income.
- One of three captains, collectively steering and maintaining a competitive and safe environment for the team.

SKILLS & INTERESTS

Languages: English, Chinese, Malay, Hokkien

Interests: Pursuing Master in ML/AI, Generative AI