Kaiwen Bian

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Education

University of California, San Diego, USA BS, Data Science BS, Cogitative Behavioral Neuroscience	2022.09 –
Quality School International - QSI, Chengdu, China Honored Degree of International Baccalaureate	2016.01 – 2022.06

Skills

- *Data Science*: Python, Panda & EDA, Regular Expression, Web Scraping, Java, Data Structure.
- *ML*: Distributed Deep Reinforcement Learning (Brax, Jax, Acme, Ray), PyTorch, Sk-Learn.
- *Mathematics*: Stochastic Processes, Statistics, Optimization, Linear Algebra, Vector Calculus, Graph Theory.
- *Neuroscience*: System & Cognitive Neuroscience, Neuroanatomy.
- *Languages*: Fluent Chinese and English.
- *Sports Science & Hobbies*: Exercise Physiology, Nutrition, Skateboarding (6+ years), Strength Training, Triathlon.

Experiences

UCSD CSE & Salk Institute
Student Researcher | CL, Learning Theory
Working on the theoretical development of continual learning algorithms under supervision of Prof Sichun Gao & Prof. Talmo Pereira.

May 2024 – Presence
La Jolla, CA

Salk Institute for Biological Studies
Undergraduate Research Intern| DRL, Distributed Training
Collaborated with Harvard University to build deep reinforcement learning pipelines for creating computational models of the brain under supervision of Prof. Talmo Pereira.

Jan 2024 – Presence
La Jolla, CA

University of California, San Diego
FMP Scholar | ML, Python
Researching Embodied Simulation's effects and reliability of Multi-modal model through FMP with supervision from Prof. Sean Trott.

May 2023 – Jun 2024
La Jolla, CA

Projects

Intel Chengdu
Data Science Summer Projects Member | Python, Power BI
Participated in data projects involving data cleaning, analysis, and automation for Intel's planning under supervision of their senior Data Scientists Runner Yang.

Jul 2023 – Sep 2023
Chengdu, Sichuan

University of California, San Diego
Project Leader |Panda, Sk-Learn, Textual Analysis
Created more robust recipe preference predictive model using homogenous ensemble learning and textual analysis, view [project website](#).

Jan 2024 – Mar 2024
La Jolla, CA

University of California, San Diego
Project Leader |RL, Neuroscience
Investigated Q-learning agent's decision-making ability under a Muti-addicted states environment, view unpublished [manuscript](#).

Jun 2024 – Aug 2024
La Jolla, CA

Leadership & Volunteering

Intel Volunteer Program
Project Leader & Global Tour Program Initiator
Visit local school for English lessons and received Prominent Teacher Award from Intel.

Nov 2019 – Jun 2022