

Kaiwen Bian

kbian@ucsd.edu | (+1) 619-246-3876 or (+86) 189-8001-6834 | [Personal Website](#) | [GitHub](#)

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.
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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Investigated Q-learning agent's decision-making ability under a Multi-addicted states environment, view unpublished [manuscript](#).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