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, Modeling, Web Scraping, Power BI, Java, Data Structure.
- *ML*: Reinforcement Learning (brax, dm_control, MDP Algorithms), Py-torch, Scikit-learn.
- *Mathematics*: Stochastic Processes, Prob & Stat, Search Algorithms, 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

Salk Institute
Trainee & Member of VNL | Reinforcement Learning

Jan 2024 – Presence
La Jolla, CA

- Collaborated with Harvard University to build deep reinforcement learning pipelines for creating computational models of the brain under supervision of Prof. Talmo Pereira.

University of California, San Diego
FMP Scholar | Machine Learning

Sep 2023 – Presence
La Jolla, CA

- Researching Embodied Simulation's effects and reliability of Multi-modal model through FMP with supervision from Prof. Sean Trott.

Intel Chengdu
Data Science Summer Projects Member | Python, Power BI

Jul 2023 – Sep 2023
Chengdu, Sichuan

- Participated in data projects involving data cleaning, analysis, and automation for Intel's planning under supervision of their senior Data Scientists Runner Yang.

Sichuan University
Researcher | Scientific Research

Apr 2021 – Oct 2021
Chengdu, Sichuan

- Produced unpublished manuscript and researching under supervision of Prof. Jeungphill Hanne studying on the unidirectional motion in the sub-microbiology.

Sichuan University & QSI Joint Project
ISEF Project Leader | Python, MATLAB

Feb 2019 – Feb 2021
Chengdu, Sichuan

- Received the American Psychological Association Award from ISEF 2021.
- Create GSR emotional detection system supervision of Prof. Jangho Yoon.

Leadership & Volunteering

Intel Volunteer Program
Project Leader & Global Tour Program Initiator

Nov 2019 – Jun 2022

- Received Prominent Teacher Award from Intel
- Visit local school for English lessons

Quality School International Chengdu
President of QSI Student Council & Board Member of National Honor Society

Mar 2021 – Jun 2022

- Managed board of 10+ members to ran weekly meetings and benefits student population.