

Edward Tang

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Education

University of Denver

Master of Science, Data Science

Denver, Colorado

Jan 2023 - Jun 2024

- GPA: 3.94/4.00

University of Utah

Bachelor of Science, Research and Experimental Psychology

Salt Lake City, Utah

Sep 2020 - May 2022

- Minor in Chemistry
- Dean's List (Fall 2020, Spring 2021, Summer 2021, Fall 2021)
- GPA: 3.95/4.00

Snow College

Associate of Science

Ephraim, Utah

May 2019 - Aug 2020

- Dean's List (Fall 2019, Spring 2020, Summer 2020)
- GPA: 4.00/4.00

Research Experience

Research Laboratory

Researcher

Macau University of Science and Technology

Jan 2024 - Present

- Conduct in-depth data analysis using advanced statistical techniques.
- Initiate data collection and maintain data equity to ensure high-quality inputs.
- Employ machine learning and deep learning method to generate insights.

Diamond Laboratory

Research Assistant

University of Utah

May 2021 - Jan 2022

- Set up EEG devices and monitor signals from participants.
- Collect blood samples and conduct interviews with participants.

Related Coursework and Grade

Calculus I - A

Statistics Psychology - A

Research Method Psychology - A

Probability & Statistics I & II - A

Python Software Development - A

Data Visualization - A

Algorithms for Data Science - A

Database Organization & Management - A

Machine Learning - A

Deep Learning: Design & Application - A

Teaching/Volunteering Experience

Science in the Parks

Teaching instructor

Salt Lake City, Utah

Mar 2021 - Aug 2021

- Facilitate activities and science experiments to teach elementary students about scientific laws.

Mentoring Club

Tutor

Salt Lake City, Utah
Mar 2021 - Dec 2022

- Offer support and guidance to high school students to help them navigate their academic challenges.

Snow College

Teaching Assistant of Human Anatomy Class

Ephraim, Utah
Sep 2019 - Dec 2019

- Assist students in identifying various organs and body parts in human cadavers.

Snow College

Math Grader

Ephraim, Utah
Sep 2019 - Aug 2020

- Grade assignments for statistics and algebra's classes.
- Assist with submission of homework.

Snow College

Math Tutor

Ephraim, Utah
Sep 2019 - Aug 2020

- Assist students with homework problems and exam preparation.

Leadership Experience

Odyssey House

Client Mentor

Salt Lake City, Utah
May 2021 - Dec 2021

- Run life skill groups with clients.
- Regularly check in with clients to create safe environment.
- De-escalate situations when clients experience hardships.

The Church of Jesus Christ of Latter-day Saints

Missionary Zone Leader

Toronto, Ontario
Jan 2017 - Jan 2019

- Supervise a group of twenty missionaries.
- Lead meetings and activities.
- Delegate duties to different missionaries within the zone.

Honors/Awards

Denver Director's Scholarship	2023
Utah HOSA Finalist 1st in Medical Math	2021
The Utah Global Academic Excellence Scholarship	2020

Technical Skills

Programming Languages: Python, R

ML and DL Analytics: Scikit-Learn, XGBoost, TensorFlow, Gensim, Pandas, Numpy, Pydicom

Database Management: MySQL, MongoDB

Visualization Tools: Matplotlib, Plotly, Seaborn

Advanced Statistical Methods: ANOVA, Logistic Regression, Survival Analysis, Bayesian

Soft Skills

Fluent in English, Mandarin, and Cantonese

Effective communication and de-escalation skills

Ability to maintain confidentiality of sensitive information

Strong understanding of cultural differences