

Max Fu

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Education

University of California, Merced

Merced, CA

Bachelor of Science, Computer Science

Expect Graduation June 2027

- Relevant Coursework: Discrete Mathematics (Python), Intro to Programming (C++), Machine Learning Specialization (Coursera)

Skills

- **Languages:** Python, C++, Java, TensorFlow 2.10, Pandas, Numpy, Matplotlib, Seaborn, SciKit-Learn
- Knowledgeable in oral and written English and Mandarin Chinese

Relevant Experience

Application with Large Language Models into an Autograder

Merced, CA

September 2023 - Present

- LLM-based personalized grading to enable independent and open-ended summative assessments.
- Currently fine-tuning a pre-trained LLM to integrate into an Autograder.
- Cleaned dataset to optimize analysis of data, missing data, and unwanted outliers by using Python and Scikit-Learn.

Coursera Machine Learning Specialization

Online Certification

November 2023 - March 2024

- Build & train supervised machine learning models for prediction & binary classification tasks, including linear regression & logistic regression.
- Build and train a neural network with TensorFlow to perform multi-class classification.
- Build and use decision trees and tree ensemble methods, including random forests and boosted trees.

AI-SIG Lead (ACM), University of California, Merced

Merced, CA

January 2024 - Present

- Orchestrated a series of AI-focused technical workshops as the AI-SIG lead to elevate the club members' expertise in Machine Learning and Deep Learning related topics.

High School Mathematics Tutor

Taichung, Taiwan

August 2021 - June 2023

- Provided comprehensive tutoring in Algebra 2 and various high school-level mathematical concepts to other students.
- Encouraged learning through the lens of first principles approach. Instilling an engineering mindset for students approaching any high school math-related courses.

Student Assistant

Taichung, Taiwan

August 2021 - June 2023

- I assisted with grading and leading an advanced-level Mandarin Class.
- Demonstrated organizational skills by managing class schedules, coordinating events, and maintaining a resourceful classroom of prominent materials.

Associations

Merced, CA

September 2023 - Present

- University of California Merced Association for Computing Machinery, AI Interest Lead
- Google Developer Student Clubs, Member
- University of California Merced Hmong Student Association, Member