

Matthew Lee

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Education: Loyola Marymount University - B.S. in Computer Science (August 2021- May 2025)

Professional experience: Game Development Club

Los Angeles, CA

Vice President

June 2023 - Present

- Authority on meeting structure, including creating workshops for various essential game development skills, ranging from modeling to coding
- Collaborates with club e-board to plan and execute events, including game jams, indie game nights, joint academic events, and game studio tours

Loyola Marymount University

Los Angeles, CA

Teacher's Assistant

May 2024 - Present

- Responsible for writing and conducting recitations for LMU's Artificial Intelligence class, including covering class material in depth and thoroughly assisting students
- Furthermore responsible for one-on-one assistance for both introductory Computer science classes and AI, ranging from debugging coding projects to math tutoring

Academic Projects: Minesweeper

- Worked in a 2 person team to design and build an algorithm which navigates a maze to reach a goal, given information following the rules of minesweeper
- Built in Python, utilized Resolution Inference, as well as storing and manipulating relevant clauses in a local database

Toxicity Filter

- Uses Naive Bayes Classifiers and Logistic Regression to perform preprocessing over comment text, given various data (e.g. income, etc.) about commenter, and returns whether said comment is "toxic" given parameters.
- 3 person team, used Tetrad to construct data network, Python to build algorithm

Wordle Solver

- Slightly altered version of Wordle which determines a hidden word between 2-14 letters long, with feedback given being edit distance and potential transformations
- Created in Java, built functions to compute edit distance, then make educated guesses until game completed (under 10 attempts, 96% accuracy)

Relevant Skills/Languages:

Python, C#, Java, React, Unity, Unreal Engine 5, Git, Blender

Relevant Coursework:

- Advanced Interactive Animation CMSI-3801
- Algorithms and Analysis CMSI-2130
- Applied Linear Algebra Math-251
- Artificial Intelligence CMSI-3300
- Discrete Math CMSI-2820
- Data Structures CMSI-2210
- Cognitive Systems Design CMSI-4320
- Mobile Applications CMSI-2200