Thomas McKeown
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EDUCATION
Shiley-Marcos School of Engineering, University of San Diego   San Diego, CA
B.S. Computer Science, Minor: Music   Expected May 2025

RELEVANT COURSEWORK
Principles of Digital Hardware	Neural Networks	Computational Problem Solving
Database Management Systems Design	Networking	Object-oriented design

SKILLS
Programming Languages: C, C++, Python, Java, and x86 Assembly
Operating Systems: Microsoft Windows and Linux

EXPERIENCE
Claremont Club LLC.   Claremont, CA
Lifeguard   June 2023 - August 2023
- Work with parents and their children to maintain a safe environment and prevent injuries
- Collaborate with a small team to provide an outstanding customer experience through customer service and promoting awareness
- Maintain awareness of the surrounding environment and be ready to respond and help whenever called upon

Personal Tutor   San Diego, CA
Music Tutor   September 2017 - December 2021
- Provide assistance to students with their practice by reinforcing proper technique and providing suggestions on efficient practice methods for students from ages 10 - 20
- Assist students with vocabulary and music related questions such as rhythm analysis for pieces
- Work personally with students to help them develop good practices that allow them to be better prepared and more

PROJECT
Perceptron Neural Net   Spring 2024
- Created a Perceptron neural net program in java using the perceptron learning algorithm and tested the limitations of the algorithm
- The perceptron net calculates weights for inputs and would determine what the input pattern was most similar to. In the case of this project, the patterns being recognized were letters in various fonts.

LEADERSHIP
USD Surf Club   San Diego, CA
Filmer   January 2023 - Present
- Raised money to help our school's team travel and compete. Help record and organize clips for the team's yearly surf film. Teach and assist lessons for club members put on by the team
- Active member and board member since Spring 2023

Eagle Scout   Claremont, CA
Troop leader   September 2015 - April 2021
- Served various leadership roles across six years and earned the rank of Eagle Scout
- Eagle Project involved designing and building a garden for a men's rehabilitation home