CURTIS CHEN

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EDUCATION

University of California - Los Angeles   **September 2021 - June 2025**
Bachelor's, Computer Science   *GPA: 3.917*

- **Relevant Courses:** CS180 (Algorithms), CS32 (Data Structures), CS35L (Software Construction), CSM151B & CS33 (Computer Architecture) MATH33A (Linear Algebra), MATH32A & B (Multivariable Calculus), CS111 (Operating Systems - Currently Taking)

PROFESSIONAL EXPERIENCE

University of California - Los Angeles   **Los Angeles, CA, USA**
Tutor   *September 2022 - Present*
- Coach UCLA students in data structures and algorithms, differential equations, and physics for Upsilon Pi Epsilon, the computer science honors society
- Helped students go through their homework in various subjects
- Helped students go through their past graded homework and tests and explain their mistakes

Monterey Park Hospital   **Monterey Park, CA, USA**
Purchasing Department Assistant   *July 2015 - July 2017*
- Communicated with doctors and staff about inventory related questions
- Translated for Cantonese speakers
- Answered phone calls and assisted with scheduling complex issues that required appointments
- Performed software updates and routine maintenance on computers, printers, and copy machines (average 20 machines a week)

Escalante Math Program   **Monterey Park, CA, USA**
Teacher's Assistant   *July 2015 - July 2017*
- Coached 3 struggling students in precalculus and raised their test scores from C minus to A minus
- Instructed precalculus classes (average 22 students per class) as substitute for teacher

PROJECTS & OUTSIDE EXPERIENCE

Web App: Personal Fitness
React.js, CSS, HTML, Firebase
- personal health web app that allows users to select customized workout plans and food recipes
- allows users to make an account and upload their personal information to the server
- search through database of workouts and recipes and sorts them based on user preference and personal information

Machine Learning: Movie Review Sentiment
Python, Tensorflow, Sklearn, Pandas, Numpy
- uses neural networks to determine the sentiment of a movie, which is either positive (1) or negative (0)
- combines Keras dataset about Imdb movie reviews with Kaggle dataset about Rotten Tomatoes movie reviews
- processed Kaggle dataset extensively with Pandas in order to use it with the Keras dataset
- neural network had 2 hidden layers and reached an 82 percent accuracy rate in determining sentiment

Battleship Project with AI
C++
- Focuses on the usage of various data structures (linked lists, 2d arrays, stacks, classes, etc.) with the implementation of several programming techniques (recursion, etc.) to create a fully functional battleship game
- Player can play against another person or AI (3 modes: easy, classic, hard)
- Hard AI difficulty was created with the hunt + parity algorithm along with testing all possible ship configurations at a square to see its chances of containing a ship
- Tested knowledge of inheritance, polymorphism, recursion, and data structures

SKILLS & INTERESTS

Skills: JavaScript, Git, HTML/CSS, Java, C/C++, React.js, Tensorflow, Python, Firebase, Linux/Unix, Graphic Design
Languages: Mandarin, Cantonese