

Mitchell Chen

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EDUCATION: San Jose State University

Expected Graduation - Spring 2028

Colleges of Science | Bachelor of Science in Computer Science

Relevant Coursework: Intro to Programming, Database Management, Networking and Data Communications, MIS Practicum, Data Structures, Technical Writing

SKILLS:

Technical: Python, SQL, GitHub, MS Office, MySQL, Database Management, CSS, Selenium WebDriver, Bash script, YAML

Attributes: Leadership, Relationship Building, Problem Solving, Public Speaking, Project Planning

Tools: Linux System Administration, Adobe Creative Cloud, Jupyter Notebook, Canva, Tensorflow

PROJECT EXPERIENCE:

Stock trend predictor

- Python script with outsourced AI algorithm to predict the trend of a certain stock.
- Technologies Used: Github, Yahoo API, matplotlib, vscode
- Outcome: Basic understanding of how AI works, 20% success rate when predicting overall trend

Cancer Mortality Prediction Using Dense Neural Networks

- Developed a binary classification model using TensorFlow to predict mortality outcomes based on tumor location and type using SEER cancer registry data
 - Achieved 73% accuracy with the TensorFlow model demonstrating the advantage of domain-trained ML in structured medical prediction
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LEADERSHIP EXPERIENCE:

Water Polo Team Captain

Saratoga CA

December 2022 – December 2023

I led and motivated a team of athletes, fostering a collaborative and disciplined environment. I communicated effectively between coaches and players, ensuring strategic alignment and team morale during practices and competitions. Additionally, I organized team-building activities and conflict resolution, ensuring strong team dynamics and high performance in both training and matches.

WORK EXPERIENCE:

Southwest YMCA

Lifeguard and Swim instructor - part time

San Jose, CA

Summer 2022-Current

Started a free swim clinic on weekends to offer free swim lessons to all members. Attempted to use python and sql databases that would better organize swim meets. Managed timecards and employee schedules, ensuring the pool had sufficient lifeguards at all times. Taught swim lessons of all ages and all levels.

Machine Intelligence and Complex Systems Lab (MiCoSys)

Research Assistant SJSU - Intern

San Jose, CA

Fall 2024-Current

With a focus on generative AI applications in healthcare, including predictive diagnostics and personalized treatment solutions. Skilled in utilizing advanced deep learning techniques such as LLMs to enhance healthcare data analysis and medical imaging. Adept at writing research papers and delivering presentations, contributing to the advancement of AI-driven innovations in healthcare.