

MATTHEW LE

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EDUCATION

California Polytechnic State University, San Luis Obispo (Cal Poly)

Bachelor of Science Degree in Computer Science

Expected June 2026

Relevant Coursework: Fundamentals of Computer Science, Introduction to Computer Organization, Statistical Methods for Engineers, Systems Programming, Introduction to Data Science, Design and Analysis of Algorithms

SKILLS

Programming Languages: C, Java, Python, HTML, CSS, R

Software Tools: Github, VSCode, Microsoft Word, Microsoft Excel, Microsoft Powerpoint

PROGRAMMING PROJECTS

Voice Recognition Chatbot, Web Application, Artificial Intelligence Final

Languages and Tools Utilized: Python, Streamlit, OpenAPI

- Created a chatbot through Streamlit that created, stored, and recalled conversations with each individual that chatted with it.
- User chats were recalled using a voice recognition system that asked users to first enter their name, and then say a password for the chatbot to hear how the user sounds and link the password to the user's name.
- Voice data was stored by first converting each individual voice to an embedding and then storing that data within a vector database. When someone spoke to the chatbot, their voice would be run against the vector database to see if their voice would be recognized.

Cal Poly Conference and Event Planning Webpage Redesign

Languages and Tools Utilized: HTML, CSS, Java

- Added new pictures to webpages of the Conference and Event Planning website to make them more eye-popping.
- Added the navigation bar at the top which leads to different sections of the webpage when clicked on (Home, About Us, Services, etc.)

WORK EXPERIENCE

Demonstrated excellent teamwork, time management, customer service, and communication skills through the following employment:

Cashier/Line Worker - Chipotle, San Luis Obispo, CA (16 hours/week) 2021-2022

Student Assistant - Cal Poly Conference and Event Planning, Cal Poly San Luis Obispo, CA (30-40 hour/week) 2023 - 2024

Elementary/Middle School Math Tutor - San Luis Obispo Area, CA (10-20 hours/week) 2018-2022

CAMPUS INVOLVEMENT/VOLUNTEER WORK

Woods Humane Society SLO, Student Volunteer August 2016 - June 2018 • Performed 40 hours of community service for the pet shelter.