COLE WARNER

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PROGRAMING SKILLS

Programming Languages:

- **Python**
- **Java**
- **Javascript**
- **SQL**
- **C**

- Bash
- C++
- RISC V
- Scala
- HTML

Software:

- React
- Google Cloud
- Git
- UNIX
- mySQL

- Tensorflow
- Excel
- Figma
- MongoDB
- Dockerfile

EDUCATION

California Polytechnic State University, San Luis Obispo
Bachelor's Degree in Computer Science | June 2023
GPA: 3.50

Relevant Coursework: Data Structures, Systems Programming, Programming Languages, Distributed Computing, Knowledge Discovery From Data, Artificial Intelligence, Computer Security, Operating Systems

WORK EXPERIENCE

Back-End Developer
Badabing MP | San Luis Obispo | 2022 - 2023
Javascript, Python, SQL

- Used **Node.js** and **Flask** to write efficient and secure code for a backend server
- Utilized **Google Cloud Platform** to run the server and construct the database
- Created and ran our **MySQL** database in GCS and used **SQLite** in our testing environment
- Implemented **Github Actions** to run continuous deployment and continuous integration for both backend and frontend

PROJECTS

Machine Learning Chatbot
Code: Python, SQL

- Scrapes the Cal Poly schedules website to a mysql database using **Beautifulsoup** and **pymysql**
- Conducted testing for various models and ensemble approaches using **scikit-learn** and **NLTK** libraries

Tape Master VST with Deep Learning
Code: Python, C++

- Built custom VST plugin using the **JUCE** framework to perform audio processing tasks
- Used **TensorFlow** and LSTM model for real-time tape machine-like saturation effects on audio

Music Page Application
Code: Javascript

- Developed a **React** based frontend employing Bootstrap components.
- On the backend, established a **Node.js** system interfacing with **MongoDB** Database and utilizing the Spotify Music API for album and artist data
- Deployed on **Heroku** through **GitHub Actions** with automated testing using **Jest**