

TAI SEWELL

SOFTWARE ENGINEER



[LinkedIn - Tai Sewell](#)



[Github - Tai Sewell](#)



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Projects

TaskTracker - To-Do List Web Application

React | FastAPI | MySQL | Docker

- Developed a **full-stack** task management app with secure user authentication using **JWT**.
- Implemented **task creation, editing, deletion**, and **completion tracking** with checkbox UI.
- Built **RESTful API** endpoints using **FastAPI** and connected them to a **MySQL** database.
- **Containerized** frontend, backend, and database using **Docker** and managed them with **Docker Compose**.
- Applied authentication logic, error handling, and **token-based** session management to support a scalable **microservice architecture**.

Personal Portfolio Website

React | Tailwind CSS | Vercel - In Progress

- Developed a fully responsive personal website to showcase projects, skills, education, and experience.
- Implemented a sidebar navigation, animated profile section, and dynamic project cards.
- Added GitHub and LinkedIn links, a downloadable resume, and a mailto contact button.
- Deployed the site using Vercel for fast, reliable hosting and global accessibility.

Steam game Price/Revenue Prediction Models

Machine Learning 1 Capstone Project | Austin Community College

- Developed **ensemble & decision tree regression models** with the ensemble using **Linear Regression** as the **meta-model** for final predictions
- Conducted comprehensive **Exploratory Data Analysis (EDA)** & Performed **data preprocessing**
- Integrated **multiple base learners**, to enhance prediction **accuracy** through **stacking**
- Evaluated model **performance** using metrics such as **RMSE** and **R²**

Education

BAS in Software Development - Austin Community College - Austin, TX

Expected Graduation Date: December 2026

AAS in Computer Programming - Austin Community College - Austin, TX

January 2022 to December 2024

Skills/Coursework

Technologies: React, Node.js, FastAPI, Docker, GitHub, Jupyter Notebook, Jira, VSCode

Languages: Python, Java, C++, JavaScript, MySQL

AI/ML Tools: scikit-learn, ensemble modeling, model evaluation

Advanced Coursework: Data Structures & Algorithms, System Analysis & Design, Machine Learning, Computational Thinking, Computer Ethics, Operating Systems, Cloud Computing

Experience

Sales Associate/IT Role

Urban Euphoria CBD

August 2023 to Present

- **Sales & Customer Service:** Drive sales, address customer needs, and resolve issues to build strong relationships and loyalty.
- **Website Management:** Maintain and update the website, ensuring smooth functionality and user experience for over **300+** customers a **month**.
- **Collaboration** with Leadership

Division 1 Football Athlete

Abilene Christian University

August 2021 to December 2021

- Built **resilience** and **adaptability**
- Enhanced **teamwork** and **collaboration**, Developed **leadership** and **communication skills**