

TAI SEWELL

SOFTWARE ENGINEER

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Education

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| BAS in Software Development - Austin Community College - Austin, TX | Jan 2025 - Dec 2026 |
| AAS in Computer Programming - Austin Community College - Austin, TX | Jan 2022 - Dec 2024 |

Skills/Coursework

Technologies: React, Node.js, FastAPI, Docker, GitHub, Jupyter Notebook, Jira, VSCode, Github Actions CI/CD, SQLite, MySQL, Eclipse, PyCharm, .Net
Languages: Python, Java, C++, JavaScript, C#, SQL
AI/ML Tools: scikit-learn, ensemble modeling, model evaluation
Advanced Coursework: Data Structures & Algorithms, System Analysis & Design, Machine Learning

Experience

- Software Engineer (Part-time) - WERX** **January 2026 - Present**
- Collaborated with **engineering** and **product stakeholders** in **roadmap** and **scoping** meetings to plan future features and **architectural** updates for the **Werx v1** platform
 - Contributed** to **technical discussions** around upcoming **system enhancements**, **API integrations** and **scalability** considerations for future releases
 - Reviewed existing application **architecture** and participated in defining **requirements** and **priorities** for planned v1 updates and **long-term development goals**
 - Recommended** modified **stripe payment** process to **solve** a **user experience issue** for trial extensions
- Sales & Technology Manager - Urban Euphoria CBD** **August 2025 - Present**
- Manage day-to-day **sales operations**, including order intake, inventory tracking, and in-store workflow coordination to ensure accurate fulfillment and smooth customer transactions.
 - Serve as the primary in-house **IT lead**, diagnosing and resolving **device**, **POS**, and **system issues**.
 - Collaborate** closely with the **owner** to manage and maintain the **company website**, support **digital operations**, and align technical decisions with business goals through ongoing communication.

Technical Projects

GridironGPT - Fantasy Football Assistant | <https://gridirongpt.app>

React | Python | Sleeper API | SQLite | FastAPI | OpenAI API | Docker

- Developed **GridironGPT**, a **full-stack AI** fantasy football assistant leveraging **React**, **FastAPI**, **SQLite**, and the **Sleeper/SportsDataIO API's** to generate data-driven player insights and matchup analytics.
- Engineered a high-performance **caching layer** and **data ingestion pipeline**, reducing external API calls and **accelerating** backend query **response times**.
- Integrated the **OpenAI API** to transform raw **statistical data** into clear, conversational fantasy guidance.
- Implemented **CI/CD** pipelines with **GitHub Actions**.
- Containerized** a **full-stack** application with **Docker**, enforcing **clean architecture**, **RESTful API** design, and well-structured **data models** using **object-oriented** principles.

TaskTrackr - To-Do List Web Application

React | Python | FastAPI | MySQL | Docker | Github

- Engineered **TaskTrackr**, 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**.

TaiSewell.com - Personal Portfolio Website

React | Tailwind CSS | Vercel | Github

- Developed a **fully responsive** personal website to showcase **projects**, **skills**, **education**, and **experience**.
- Implemented a **navbar navigation**, **animated profile section**, and **dynamic project cards**.
- Deployed the site using **Vercel** for fast, reliable hosting and global accessibility.