Selina (Yiyang) Xue

yiyangxue.xyy@gmail.com | (657) 246-7384 | Github | LinkedIn | Personal Website

Overview

Aspiring computer scientist dedicated to advancing in the field, specializing in software development and artificial intelligence. Fueled by a genuine passion for excellence, thrive in collaborative environments while actively pursuing leadership roles and embracing teamwork to achieve success, aiming to bring social impact through continuous endeavors. Demonstrates adaptability, swift learning, and effective contribution, ready to explore new horizons of collaboration and innovation.

Education

Citrus College   Sep 2022 — Present
Azusa, CA
- Associate Degree in Computer Science
- Expected Transfer Date: Fall 2025
- GPA: 4.0

Skills & Technologies:

- C++, C#, Python, JavaScript, HTML, CSS
- Next.js, Node.js, Flask, PostgreSQL, Bootstrap

Project Experience

FinAID - AI Finance Advisor   Aug 2024
https://finaid-sepia.vercel.app/ (Flask & Python)
- Integrated the trained **AI-powered backend** with **Flask** and **Next.js**, facilitating seamless communication between the AI model and the user interface for real-time financial analysis.
- Collaborated with UI/UX designers to implement dynamic user interfaces using Next.js, enhancing user interaction and experience.

Pomodoro Pulse - Advanced Productivity App   Jul 2024
https://www.pomodoro-pulse.com/ (Flask & Python)
- Implemented **PostgreSQL** for safety data manipulation, allowing users to access and visualize their productivity statistics and histories efficiently.
- Integrated **OAuth** with **Flask-Login** to ensure secure user authentication and protect sensitive information.
- Developed the Pomodoro timer with **JavaScript**, featuring dynamic background changes, sound cues for session transitions, and interactive particle effects using particles.js for a more engaging user experience.
- Employed **SMTP** for automated email communications, enhancing customer support with timely notifications and responses.

YY StockTrend - Real-Time Stock Monitoring & Analysis   Mar 2024
(Node.js & JavaScript)
- Provided **daily updates** on market trends and timely news articles using **Alpha Vantage API** and **News API**.
- Delivered in-depth company insights and developed an intuitive interface for streamlined stock searches.

Movie Journaling App - Efficient Media Data Management   Nov 2023
(Node.js & JavaScript)
- Utilized **OMDb API** for automated retrieval of movie poster images and release years.
- Leveraged **PostgreSQL database** for efficient storage, updating, and deletion of user data.
- Implemented flexible organization with sort options to arrange entries by rating or recency.

Cocktail Recipe Generator - Interactive Recipe Discovery   Oct 2023
(Node.js & JavaScript)
- Developed search functionalities for discovering cocktails by name, ingredient, or through random generation.
- Optimized user experience with vibrant visuals, precise instructions, and detailed ingredient info using **TheCocktailDB API**.

Work Experience

Website Development for The Gaia Project   Jun 2024 — Present
Empowering and Connecting Women Leaders Worldwide
https://www.tgpthegaiaproject.com/
- Serving as the sole web developer, collaborating closely with founders to deliver a website that promotes gender equity and supports female entrepreneurs globally by providing resources, creating collaborative spaces, and amplifying female presence in business.
- Utilizing HTML, CSS, JavaScript, and Bootstrap to construct a responsive and engaging platform tailored to the strategic goals of the organization.
- Engaging in regular strategy meetings with co-founders to ensure project alignment with organizational goals and effective translation of vision into a functional digital experience.
- Enhancing professional skills in stakeholder communication, delivering tailored digital solutions that meet specific project requirements and expectations.

Mobile App Development for The Heart Center   Mar 2024 — Jul 2024
Transformative Meditation App for Incarcerated Individuals
- Deepening enthusiasm in social impact and contributions to society.
- Actively participated in regular project meetings to provide progress updates, collaborating with the development team to implement various features using Flutter.
- Strengthening understanding of software architectures and development processes while collaborating with senior software developers and tech leads.
- Utilizing Git & GitHub for version control and open-source development, alongside coordination tools such as Slack and Notion to optimize project workflow.