Ryan Lov

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Summary

Aspiring computer science professional with experience in customer service and education roles. Successfully collaborated with teams to optimize workflows at Panda Express and developed engaging lesson plans at Mathnasium. Eager to leverage technical skills in programming and project management to contribute effectively to software development projects.

Education

California State Polytechnic University, Pomona   **Graduated:** May 2025
B.S. in Computer Science | **GPA:** 3.78
Mathematics Minor | **GPA:** 3.32
Relative Coursework: Software Engineering, Mobile App Development, Game Development, Object-Oriented Programming, Design and Analysis of Algorithms, Data Structures and Advanced Algorithms, Concept of Programming Language, Operating Systems, Numerical Methods, Database Systems, Formal Languages and Automata, Linear Algebra Applications to Differential Equations, Mathematical Proofs, Abstract Algebra, Number Theory

Work Experience

Panda Express Associate   April 2024 - Present
Team Member   El Monte, CA
- **Customer Service and Problem-Solving**: Addressed customer inquiries and resolved issues, ensuring high satisfaction and repeat business.
- **Food Safety & Efficiency**: Maintained strict compliance with ServeSave standards, minimizing waste and ensuring a hygienic workspace.
- **Team Collaboration**: Worked with a 24-member team to optimize kitchen workflows, improving order accuracy and speed.

Mathnasium Instructor   April 2023 - August 2024
Math Tutor   Walnut , CA
- **Delivered personalized math instruction** to students of varying skill levels using structured methodologies, adapting teaching styles to individual learning needs.
- **Collaborated with a team** to create engaging lesson plans in group settings, fostering a supportive learning environment.
- **Assessed student progress** through regular feedback and adjusted teaching strategies to improve comprehension.

Selected Projects

Self-Project   May 2025 - Present
Full-Stack Blog Application Project   Pomona, CA
- Engineered a **production-ready blog platform** using React.js (Frontend), FastAPI (Backend), and PostgreSQL, with full **Docker containerization** for seamless deployment.
- Developed a responsive UI with TailwindCSS and implemented RESTful APIs using FastAPI, Pydantic, and SQLAlchemy for robust backend functionality.
- Containerized both frontend and backend services using **Docker**, enabling consistent environments across development and deployment stages.
- Streamlined project management with **Linear** for task tracking and **GitHub** for version control, following Agile methodologies.
- Established efficient frontend-backend communication using **Axios** for data fetching and state management.

Self-Project   September 2023 – February 2024
Pokedex & PokeTCG React Project   Pomona, CA
- Developed a full-stack web application using **React (Vite)**, **TailwindCSS**, and **FastAPI** to browse, search, and explore Pokémon and Pokémon TCG card data.
- Integrated with **external APIs** (PokéAPI, Pokémon TCG API) to display detailed Pokémon stats, abilities, evolution chains, and trading cards.
- Built responsive, mobile-friendly UI with advanced features such as skeleton loading, paginated browsing, and dynamic search.

Software Engineer Course Project   August 2024 – December 2024
Fridge Scanner and Recipe Generator Application   Pomona, CA
- Designed an interactive user interface using **Typescript** to provide a meaningful experience allowing users to scan fridge items, receive recipe suggestions focusing on ease of daily use.
- Collaborated with back-end and machine learning teams to ensure smooth **data flow between object detection models and the front end**.
- Focused on **responsive design and accessibility** to improve user interaction across different devices.

Technical Skills And Certifications

Programming: Javascript, Python, Java, HTML, CSS

Frameworks & Libraries: React, Material-UI, TailwindCSS, Bootstrap, Vue.js, FastAPI, Pydantic, SQLAlchemy

Project Management: Github, Kanban Board, Agile
Certifications:
Programming with Javascript – Meta, Cousera   August 2023
Introduction to Front-End Development – Meta, Cousera   August 2023