Ryan Lov

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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 Languages
- 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

Full-Stack Blog Application Project   May 2025 - Present
Blog App   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.

SEA - Club Project   September 2023 – February 2024
IceBreak   Pomona, CA

- Developed a **full-stack mobile app** using **React Native (TypeScript, Expo)** to streamline organization-member interactions, featuring real-time event updates and member growth incentives.
- Integrated **RESTful APIs with Axios** for efficient data fetching and state management, dynamically displaying content across 5+ app screens.
- Built responsive UI components with **Expo** for cross-platform compatibility, ensuring consistent performance on iOS and Android.

Software Engineer   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