# Lester San Juan

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## EDUCATION

**University of California, Irvine**  June 2025
*B.S. in Software Engineering*
- **Coursework:** Data Structures, Algorithms, Software Engineering, Database Management, Computer Networks, AI, Web Development, Machine Learning, **User-Centered Design, Human-Computer Interaction**

## SKILLS

**Programming Languages:** Python, JavaScript, Typescript, HTML/CSS
**Frameworks & Libraries:** Svelte, Vue, React, Django
**Technologies & Data:** PostgreSQL, SQLite, FastAPI, Docker

## EXPERIENCE

**SCA SNR Corporation**  July 2025 – Present
*Software Engineer*  *Irvine, CA*
- Integrated QuickBooks API for automated invoicing - Replaced manual invoice creation with automated system, streamlining order-to-invoice workflow and reducing processing time
- Developed comprehensive order management, shipment tracking, product catalog with image uploads, and admin dashboard with business switching capabilities for scalable multi-tenant operations
- Implemented secure JWT authentication with admin/manager/customer roles and cross-business data access controls
- Developed business-scoped data filtering - Created dynamic filtering for products/orders based on business context with reactive state updates and secure API integration

**SNR Tea Studio**  December 2024 – Present
*Freelance Software Engineer*  *Irvine, CA*
- Developed a **backend** job scheduling system that optimized task assignments, improving operational efficiency and reducing administrative workload.
- Designed and implemented custom software solutions to streamline store operations, cutting administrative labor costs by 40%.
- Automated manual processes, enhancing workflow management and reducing errors in scheduling and task tracking.
- **Conducted user feedback sessions** with store employees to refine the interface, ensuring intuitive and user-friendly task management.

## PROJECTS

**GetMentored** | *Project Lead* | Vue.js, Tailwind, Express.js, Node.js, FaunaDB  Jan 2024 – June 2024
- Engineered efficient communication channels between front-end and back-end systems, ensuring a seamless user experience and streamlined content handling.
- Utilized FaunaDB to enable robust data storage, retrieval, and real-time updates, contributing to related **open-source** libraries.
- Collaborated with the client to clarify objectives, translating needs into actionable website and software development requirements.
- **Created initial wireframes and user flows** in Figma for testing different user journey paths, leading to a more intuitive design.

**SVMMARY: Summarization App** | *Full-Stack Developer* | Next.js, React, Supabase, Tailwind CSS  Mar 2025 – Present
- Designed and developed an AI-driven web application that converts long-form text into concise, broadcast-ready summaries using Next.js and React.
- Developed a dynamic sidebar component that fetches and displays user stories from the backend in real time.
- Implemented a dynamic, responsive UI with Tailwind CSS—including an interactive, sticky sidebar for displaying user-specific summarization history.
- Built **REST API** endpoints to interface with external AI models, optimizing performance and real-time processing of content.

**Dynamic Scheduler** | *Developer* | Python  Jan 2025 – March 2025
- Conceived and implemented a scheduling system for part-time work, leveraging Python and **custom algorithm development** with backtracking to produce optimized shifts for 30 employees with no conflicts.
- Developed logic to account for employee availability, shift preferences, and fairness in workload distribution.
- Integrated the platform with an intuitive user interface, enabling real-time modifications to constraints and conflict-free scheduling suggestions.
- Reduced schedule creation time for the restaurant by 50%, streamlining operational efficiency.

**SunrightHub** | *Developer* | React, Typescript, Express.js  Jan 2025 – Present
- Centralized the team's operations into a single online hub, facilitating streamlined collaboration and resource management.
- Integrated an automated scheduling system, reducing manual workload and scheduling time by 20%.
- Developed a responsive, user-friendly React interface, ensuring seamless adoption and real-time updates for all team members.
- **Conducted user testing sessions** to validate usability, iterating on layout and navigation for an improved user experience.

**Yelp Sentiment Analyzer** | *Developer* | Python, PyTorch, DistilBERT, NLP, Neural Networks  Sept 2024 – Dec 2024
- Developed a neural network model to classify Yelp reviews into sentiment categories with **90%+ accuracy**.
- Implemented **SBERT embeddings** to transform textual reviews into high-dimensional vectors for machine learning.
- Applied dropout regularization and custom loss functions, improving model accuracy by **25% over baseline models**.
- Optimized training pipelines using **PyTorch**, leveraging adaptive learning rates and dataset balancing for better generalization.