

Leonardo Cruz

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SUMMARY

Aspiring Software Engineer with a strong foundation in full-stack development and AI/ML with a degree in Computer Science. Successfully designed a machine learning model with 90% recall and developed applications using Node.js, React, and AWS. Proven problem-solving and collaboration skills demonstrated at CarMax and AutoZone, enhancing workflows and user experience. Eager to apply technical skills in coding and debugging to contribute to industrial automation projects in an agile environment.

EDUCATION

California State San Marcos, San Marcos, CA

Bachelors of Science, Computer Science

Jul 2021 - May 2025

California State University San Marcos

- **GPA:** 3.83
- **Achievements:** Accreditation by the Computing Accreditation Commission (CAC) of ABET
- **Coursework:** Data Structures & Algorithms, Operating Systems, Artificial Intelligence, Networking, Database Systems, Full-Stack Software Development

SKILLS

- **Programming Languages & Software Development:** Python, Kotlin, C++, Java, JavaScript, TypeScript, C#, SQL, NoSQL, REST APIs, AJAX, JSON, Assembly, Lua, React Native, Node.js, API, SaaS, Code Review, DevOps, .NET, Design Patterns, Agile Methodologies
- **Cloud & DevOps:** AWS, Azure, GCP, Docker, Kubernetes, CI/CD, Terraform (IaC), Airflow, Spark, Lambda, Salesforce
- **Data Science & AI:** Machine Learning(Scikit-learn, TensorFlow, PyTorch), Data Pipelines, Deep Learning, Artificial Intelligence, Data Analytics, Databases, Statistics
- **Web & Tools:** HTML/CSS, DOM, ES6, React, Angular, Vue, Next.js AWS RDS/S3, Kafka, Blender, Unity, Figma, SEO, User Interface Design
- **Soft Skills:** Problem-Solving, Critical Thinking, Teamwork, Communication, Cross-Functional Collaboration, Compliance, Troubleshooting

WORK EXPERIENCE

CarMax

Auction Service Associate

2021 - Present

Murrieta, CA

- Streamlined vehicle logistics and auction processes, ensuring compliance with data governance standards and optimizing high-volume workflows.
- Resolved 50+ vendor/customer issues monthly with emphasis on interpersonal skills.
- Utilized organizational and time management abilities to handle high-volume tasks effectively.

PROFESSIONAL PROJECTS

School Management System Capstone - Node.js, React, AWS RDS, AWS S3, JWT | [Github Link](#)

Jan 2025 - May 2025

California State University San Marcos

- Designed and implemented a Node.js MVC architecture system web application for real-time user interactions
- Built a RESTful API backend with CI/CD-ready architecture, integrating AWS RDS (SQL) and S3 for scalable data storage.
- Delivered SRS and IEEE-style design documentation, adhering to the agile development methodology to manage project milestones and deliverables.

Predicting Recurrent Thyroid Carcinoma-Python, Scikit-learn

Oct 2024 - Dec 2024

- Designed and implemented separate machine learning models using the scikit-learn library in python to predict risk of a patient inflicted with RTC after initial treatment
- Developed ML models to predict patient risk, achieving 85% recall by fine-tuning hyperparameters and validating results against clinical datasets.

Boids Physics Simulation- JavaScript, HTML5 Canvas

Oct 2024 - Dec 2024

- Implemented flocking behavior to imitate physics based simulation using JavaScript and HTML5 Canvas, incorporating custom sprite animations for an engaging visual experience, showcasing event-driven logic and real-time data visualization.

Cozee, The Cafe Community App | [Github Link](#)

Mar 2025 - May 2025

- Full-Stack Android Development: Built a Kotlin-based app (1,000+ lines) using MVVM, LiveData, Room, and Firebase, integrating 10+ Android components (API, WorkManager, Material Design) and ensuring reliability with 10+ unit tests and the Repository Pattern for scalable data management.
- Community-Driven Café Discovery Platform: Created a user-centric solution for personalized café searches, enabling map-based filtering by amenities (Wi-Fi, noise levels, seating), real reviews/media uploads, and social sharing to address unmet user needs for tailored café experiences.
- Enhanced Engagement & Performance: Implemented user authentication, background task scheduling (WorkManager), and Material Design UI/UX, fostering a 2-way review/comment system and boosting community interaction.