

Isael Lazcano

iisael090@gmail.com | +1 909-495-5394

[github](#) | [linkedin](#)

EDUCATION

Bachelor of Science - Computer Science

Aug 2020 - Dec 2024

Minor: Data Science

California State University, San Bernardino

San Bernardino, CA

SUMMARY

Machine Learning Engineer and Full Stack Developer with expertise in AI-driven solutions, real-time drone tracking systems, and modern web application development. Proven ability to optimize performance and deliver innovative software applications. Skilled in Python, JavaScript, TensorFlow Lite, and responsive design.

SKILLS

Programming Languages	Python JavaScript C++ C# HTML CSS
Technologies	TensorFlow Lite React Next.js Tailwind CSS Unity Node.js
Development Tools	Git PyMavlink Drone Code MySQL Resend API
Web Development	Responsive Web Design UI/UX Design Parallax Scrolling Animation Techniques

EXPERIENCE

Software Engineer Intern

Summer 2024 (Full-Time), **Extended Offer** Fall 2024

Centers of Research Excellence in Science and Technology (CREST)

San Bernardino, CA

- Showcased drone shadowing improvements at the **2024 Southern California Conference for Undergraduate Research (SCCUR) to an audience of 50+ stakeholders**, presenting advancements in AI-driven tracking and autonomous navigation. See here: [Google Slides Presentation](#)
 - Collaborated with a cross-functional team of 7+ engineers and researchers to develop AI programs for drone improvements.
 - Developed an AI-driven drone tracking system using TensorFlow Lite on a Raspberry Pi 5, **achieving real-time object detection at 10 FPS**.
 - Designed and implemented machine learning algorithms for drone recognition, enhancing detection accuracy in diverse environments (mountainous, urban, open skies).
 - Reprogrammed drone to use precise and autonomous flight adjustments based on AI predictions by integrating PyMavlink to enable precise tracking.
 - Ranked in the **top 15%** internship performance metrics and **re-hired** after completion of internship program.
- Work Sample:** [Autonomous Drone Shadowing with AI Presentation](#)

Full Stack Developer

Aug 2024 – Present

G2 Insurance Auto & R2U Consulting Services

San Bernardino, CA

- Designed and built responsive websites, increasing **new leads by 12%** through improved user experience and optimized call-to-action placement.
- Developed interactive UI elements, such as carousels, insurance cards, and contact forms, enhancing user engagement and accessibility through Resend API integration.
- Deployed websites on Vercel, implementing SEO best practices and performance optimizations to improve site reliability and search visibility.
- Collaborated with stakeholders to align designs with business objectives, ensuring a seamless and professional brand experience.
- **G2 Insurance Auto:** [GitHub](#) | [Live Site](#) | **R2U Consulting Services:** [GitHub](#) | [Live Site](#)

Game Developer - Team Lead

Aug 2023 – Dec. 2024

California State University, San Bernardino

San Bernardino, CA

- Led a team of 7 to develop a top-down 2D game and authored an SRS document outlining system design and requirements.
- Learned C# and Unity within 8 weeks to implement key gameplay features and mechanics.
- Managed 3 agile sprints, delivering a functional prototype praised by faculty for meeting design constraints.
- **GitHub Repository:** [Forest of Enchantment](#)

NOTABLE PROJECT

Personal Portfolio Website

2024

Self-Developed Project

San Bernardino, CA

- Designed an interactive portfolio showcasing projects and achievements with modern UI animations and effects.
- Implemented Bento Grid, Parallax Scrolling, and a 3D Navbar for an engaging user experience.
- Integrated photo galleries and timelines using Scroll on Photos for immersive storytelling and project highlights.
- Optimized performance to ensure fast load times and seamless user navigation.
- View the portfolio live: [Isael Lazcano's Portfolio](#)