# Noah Riley Perez-Tsujimoto

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## EDUCATION

**University Of California, Riverside**

Bachelor of Science in Computer Science with Business Applications                    Graduated 2024

## WORK EXPERIENCE

**Software Development Intern**                                                                                                     San Diego, CA

Autra.ai                                                                                                                                            Aug 2024 - Mar 2025

- Developed a responsive marketing site with **React, TypeScript, Vite, and Tailwind CSS**. Designed reusable page components (curriculum cards, carousels, classes) and a config-driven routing system.
- Delivered the company's first actionable funnel analytics; Integrated **Google Tag Manager** via lightweight script and collaborated with marketing to track custom events (page views, clickthrough rates).
- Ran **Lighthouse** audits and lifted Web Vitals (Perf 37 → 82, SEO 42 → 90) through code-splitting and lazy load images.
- Modelled site content (classes, programs, testimonials) as **type-safe objects** using **Drizzle ORM + Zod** for validation.

**Web Developer, Lead Robotics Instructor**                                                                                Upland, CA

United States Engineering League                                                                                             Feb 2024 - Sep 2024

- Built a full-stack tournament manager with **Python & Django** powering real-time leaderboards and CRUD for 500+ tournaments, teams, and player records – eliminating spreadsheets and protecting data integrity during events.
- **Designed schema and routes:** created Tournament, Player, Team models; mapped URLconf and class-based views.
- Exposed **AJAX endpoints** for live team-score updates and guarded them with **Django Auth + allauth roles.**
- Managed ClickFunnels landing pages & email automations; ran A/B tests that **lifted registration conversion ≈20 %**.
- Mentored K-12 student robotics teams (WRO) on best coding practices, iterative testing, and modular robot design.

## PROJECTS   (more at github.com/nrileyperez)

**Autra Solutions (Torc.ai Project)**
- Created **Vite + React TypeScript** marketing site in Replit; single-page UI with Tailwind CSS and shadcn components.

**MeetFitness**
- Co-developing a cross-platform Community Event & Health Tracker app in **Next.js, Javascript, PostgreSQL.**
- Added progress dashboards and client-side state hooks so members can visualise weekly stats and workouts.

**www.autra.ai**
- Re-designed responsive frontend website for education-startup in **React, Vite.js, TailwindCSS, Drizzle, Typescript.**

**USEL Tournaments**
- Co-developed web app with CRUD features and user authentication for live robotics tournaments. **(Python, Django).**
- Introduced GitHub-PR + Actions pipeline; automated linting, test runs, and auto-deploy (PythonAnywhere).
- Wrote **Django TestCase** + **Selenium/behave** tests that gate check-in and catch regressions before each event.

## SKILLS

**Programming Languages:** C/C++, Python, JavaScript, TypeScript, HTML, CSS
**Web Dev**: React, Next.js, Node.js, Vite, Flask, Django, Express, Tailwind, REST/JSON APIs, Lighthouse, Replit Nix
**Tools/OS:** Linux, xv6, VS Code, Git/GitHub Actions CI, Cursor, GDB, Valgrind, GoogleTest, Make, CMake
**Python tooling**: NumPy, Pandas, Scikit-learn, Seaborn, OpenCV, PyTest
**Databases:** MongoDB, PostgreSQL, Drizzle ORM, SQLite, Schema design
**Core Concepts:** Data Structures, Algorithms, OOP, Project Management (JIRA, Asana), Agile Flow, Google Tag Manager
**Languages:** English (Native), Japanese (Beginner)