

# Noah Riley Perez-Tsujimoto

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## EDUCATION

### University Of California, Riverside

Bachelor of Science in Computer Science: Business Applications

2019 – 2024

## EXPERIENCE

### Developer, IT Coordinator

San Diego, CA

#### [Autra Tech Solutions](#)

Feb 2025 - Present

*Technology consulting firm supporting [Torc Robotics](#) with self-autonomous driving system knowledge transfer, software tooling migration, and data pipeline integrations*

- Early technical team member and liaison between Torc.ai and Autra Solutions, bridging engineering, data operations, and domain expertise to support critical handoff projects.
- Launched the first technical marketing and knowledge platform, showcasing domain expertise and service offerings to external stakeholders and partners.
- Proactively researching ROS 2 build tooling and data pipelines.

### Web Developer

San Diego, CA

#### [Autra.ai](#)

Aug 2024 - Mar 2025

- Led full rebuild of the Autra Academy website (React, Vite), enhancing UI/UX and responsiveness, re-enabling customer acquisition.
- Integrated AI-assisted dev tools (Replit, Cursor) into the build process, reducing component design and delivery time by over 40-50%, completing launch within two weeks.
- Collaborated with web marketing analyst to enable event-driven customer behavior tracking via GTM custom tags.
- Gained production experience working with third-party SaaS, API integrations and sensitive customer data.
- Additionally managed robotics + programming curriculum design, instructor training, and workshops for K–12 students.

### Web Developer, Lead Robotics Instructor

Upland, CA

#### [United States Engineering League](#)

Feb 2024 - Aug 2024

- Co-developed tournament management platform for the World Robot Olympiad, replacing manual processes with a live, scalable web solution.
- Developed responsive frontend (CSS, Bootstrap), designed interactive UI components for non-technical stakeholders, backend for database management, user authentication, team management. (Django ORM, SQLite).
- Leveraged ClickFunnels analytics to monitor user behavior, A/B test variations, and optimize funnel performance to reduce abandonment rates and increase signups on our key website customer funnels

### E-Commerce Web Marketing Manager

Chino, CA

#### [Sabaidee Fest](#)

Jan 2024 - Aug 2024

- Assisted IT team to manage the Shopify ecommerce platform, contributing to the team's >\$1.5M in online ticket sales and >\$100K in merchandise sales during our 3-day event (SBDF 2024)
- Utilized metric-driven analytics to monitor customer behavior, identify key segments, and sync product catalog updates with inventory across platforms, during high-traffic sales windows (Shopify Analytics)

## PROJECTS

### **Autra Solutions B2B Web Application** | *React, Vite.js, TailwindCSS*

- First marketing & knowledge site for Autra Tech Solutions that presents the team's self-driving domain expertise and service offerings

### **www.autra.ai** | *React, Vite.js, TailwindCSS, Drizzle ORM, Typescript*

- Led the end-to-end redevelopment of Autra.ai's marketing platform, building a responsive, scalable website to improve customer onboarding and mobile UI/UX
- Modular frontend architecture with typed database schemas (Drizzle ORM), enabling seamless updates by non-technical stakeholders

### **USEL Tournaments Web Application** | *Django, BootstrapCSS, Python, SQLite*

- Full-stack Django web application, featuring Python, Django, Bootstrap, for World Robot Olympiad regional and state competitions
- Django backend architecture, CRUD operations, relational database management, and user authentication workflows

### **RUNS Fitness App** | *Python, Flask, OpenLeaf, PostgreSQL, RESTful API*

- Collaborative startup team developing full-stack social fitness app for organizing and promoting community running events
- Features route mapping, user geolocation, and real-time activity updates

### **4kUpscale** | *Python, RealESRGAN, Flask*

- Co-Developed web app leveraging RealESRGAN models, batch processing pipelines to upscale 4K video and other media conversion

### **NetThreatPredictML** | *Python, CICIDS Dataset, scikit-learn*

- Personal project aimed at strengthening skills in network security, dataset preprocessing, model familiarity, and basic model evaluation
- Training various classifiers on the CICIDS 2017 dataset

### **CrowdedCV** | *Python, OpenCV, Flask, scikit-learn*

- Computer vision application aimed to enhance facial tracking in crowded urban environments
- OpenCV for real-time face detection, Flask to serve detection results via lightweight web dashboard

**Sponsorship Coordinator & Web Marketing at [TEDxUniversity of California, Riverside](#)**

- Elected board member, primary liaison for securing corporate and local sponsorships including key partnerships with UCR's Computer Science, Physics, and Biology departments
- Created and maintained sponsorship landing pages and marketing collateral, raising over \$5,000 for annual TEDx events

## **TECHNOLOGIES/SKILLS**

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**Programming Languages:** HTML, CSS, JavaScript, Python, C, C++, SQL, Typescript, Go (light),

**Frameworks/Tools/Libraries:** React, Next.js, Express, Vite, Vue.js, Flask, Django, MongoDB, PostgreSQL, Bootstrap, TailwindCSS, Pandas, Numpy, Sci-Kit-Learn, ComyUI, Stability-Matrix, OpenCV

**Web Tools:** Shopify Analytics, Google Tag Manager, WordPress, ClickFunnels

**Dev Tools:** Git, Linux, CLI, CMake, Make, GoogleTest, Valgrind, Vercel, Docker, Pytorch, Tensorflow, Firebase, HuggingFace

**Languages:** English, Japanese (light)

**Interests:** In my spare time I coach multiple student teams for worldwide robotics competitions, I **love** Basketball, Music Production (FL Studio, Ableton), Audio Engineering, AI Art Generation with StabilityDiffusion & Flux, Creating Txt-2-Img art workflows, Web and Graphic Design, Kickboxing & Jiu-Jitsu, Data/AI Policy & Ethics, LLMs, Vibe Coding