Jorge Alejandro Sandoval Romo

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Professional Summary

Final-year Software & Emerging Technologies Engineering student at UABC (GPA: 90.55/100), with experience in modern web development and a growing interest in artificial intelligence. Skilled in building responsive, user-focused applications using tools like React, Node.js, and TypeScript. Currently exploring the field of AI through TensorFlow, while also expanding my knowledge in IT systems, infrastructure, and support. Proven leadership experience representing over 3,000 students in university governance, and recognized for innovation with a top-3 finish in a national hackathon. Seeking internship opportunities to fulfill professional practice requirements and contribute to impactful, real-world technology projects while strengthening both technical and collaborative skills.

Skills

- **Programming Languages:** Python | C/C++ | Java | TypeScript | SQL
- **Web Technologies:** React, Express.js, Node.js, HTML5, CSS3, Tailwind CSS
- **AI/ML:** TensorFlow, Scikit-learn, Numpy, Pandas, Seaborn, Matplotlib
- **Developer Tools:** Git, GitHub, Docker, VS Code, Linux Environment
- **Databases:** PostgreSQL
- **Languages:** Spanish (Native), English (Fluent - EFSET C2 Certified)
- **Methodologies:** Agile Development, Software Requirements Specification (SRS)

Experience

Professional Social Service Project – Software Development — *Universidad Autónoma de Baja California* — *Tijuana, BCN, MEX* **Aug 2024 - Feb 2025**

- Developed and maintained a full-stack web application for student tracking, improving record management and emergency response coordination for university psychopedagogists.
- Implemented key API endpoints and responsive frontend features using React and Express.js.
- Authored detailed Software Requirements Specification (SRS) documentation.
- Identified and resolved critical bugs, enhancing system stability and user experience.

Leadership Experience

Student Council Representative (Faculty of Chemical Sciences and Engineering) — *Tijuana, BCN, MEX* **Dec 2023 - Dec 2024**

- Represented 3,000+ students in university-wide governance, collaborating with faculty and administration on strategic decisions.
- Reviewed, debated, and voted on the university's ~$250M USD annual budget, influencing resource allocation for academic programs, infrastructure (e.g., new engineering labs), and student services.
- Contributed to shaping policies on curriculum updates, program naming, and the creation of new engineering degrees aligned with industry demands.
- Advocated for institutional improvements, including building renaming and streamlining administrative workflows.

Projects & Achievements

3rd Place Winner - "LegisConnect" Project — *Hackathon 2025 "Elegis Tech3" (UABC) Tijuana, BCN, MEX* **Mar 2025**

- Co-developed "LegisConnect," an innovative social network prototype enabling citizens to propose and debate legislative topics with lawmakers.
- Secured 3rd place among 375+ students from national and international universities in a high-pressure, timed competition.
- Developed the frontend prototype using Next.js; deployed at legisconnect.org
- Demonstrated rapid prototyping, teamwork, and full-stack development skills.

Education

Universidad Autónoma de Baja California — *Tijuana, BCN, MEX* **2021 - Dec 2025 (Expected)**

- Bachelor's in Software and Emerging Technologies Engineering
- **GPA: 90.55/100**

Certificacions

EFSET English Certificate - C2 Proficient — *EFSET* **Mar 2025**

DeepLearning.AI - TensorFlow Developer — *Coursera* **Jan 2024**