Luis Antonio Bolaina Domínguez

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EDUCATION

ITESM (Tecnológico de Monterrey) *- Monterrey, NL*   **Expected June 2027**

Bachelor of Science in Computer Science and Technology | GPA 3.7/4.0

- Relevant Coursework: Software Construction and Decision Making, Programming of Data Structures and Algorithms, Device Interconnection, Implementation of Internet of Things, Object-Oriented Programming.

LEADERSHIP AND EXPERIENCE

Cipheria (Startup)

Full Stack Developer | Part Time   **June 2025 - Present**

- Gained valuable experience in full-stack web development, particularly in architecting and deploying scalable, user-centric landing pages within a startup environment. This involved mastering modern front end frameworks and libraries to deliver optimal performance and intuitive user interfaces, while also learning agile development methodologies and efficient deployment strategies.

Swift Challenge Fest Hackathon

Team Member and Product Owner   **June 2025**

- Clearly and consistently communicated the overarching product vision to all team members, fostering a shared understanding of goals, priorities, and strategic direction. This involved open forums for discussion, ensuring that every individual understood their role in achieving the product's success and how their contributions aligned with the broader objectives.
- Delegated tasks based on team members strengths and expertise, ensuring a balanced workload distribution and maximizing overall productivity.

Academic Mentor by Excellence (MAE)

Academic Mentor and Software Development Team   **August 2024 - Present**

- Helped students by teaching programming topics such as Object-Oriented Programming, Calculus II and III, and diverse programming topics. My responsibilities encompassed clarifying challenging concepts, offering one-on-one tutoring sessions, and facilitating group study discussions to ensure a deeper understanding of the course material.

- Gained valuable experience collaborating with the software development team on the MAEs webpage, enhancing both my technical and interpersonal skills. Acquired knowledge in tools such as Vue.js for building dynamic user interfaces and Firebase for backend services, database management, and real-time data synchronization.

PROJECTS

Heatshield

SwiftUI Application   **June 2025**

- Developed an iOS application using SwiftUI to combat the climate heat problems in Mexico, during extreme heat events, providing smart tools to find shelter, assess home preparedness, and receive critical safety alerts, making an impact of sustainability and awarness by empowering individuals and communities to take proactive measures against the escalating heat crisis.

FSAE TEC

Web application   **June 2025**

- Developed a responsive website for the Formula SAE team built with Next.js, React and Typescript. This website showcases the team, cars, and involvement in the Formula SAE competition, helping them in attracting new talent, engaging sponsors, and sharing the team's achievements with a wider audience, ultimately bolstering their presence and success within the competition.

TECHNICAL SKILLS

Languages: Typescript, Python, C++, Javascript, SQL, Go, Swift
Frameworks/Libraries: React, Node.js, Astro, NextJS, TailwindCSS, Vercel, Vue.js
Tools: Github, Docker, Git, npm, Aiven, PostgreSQL, SSMS, Firebase, Copilot