Armando Terrazas Gómez

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https://github.com/Armandotrsg | https://armandotrsg.github.io/portfolio/home

EDUCATION

Tecnológico de Monterrey — Zapopan, JAL
B.S. in Computer Science and Technology; GPA: 98.12/100 — *August 2021 – June 2025*

- Completed courses in Web Design for Everybody and Front-End Web Development with React, achieving excellent grades and developing several web projects.
- Earned the Academic Excellence Scholarship for outstanding academic performance.

PROJECTS

Decaf Wallet AI Assistant Chatbot — June 2023
TypeScript, Tailwind, Next.js, OpenAI API, Solana Blockchain API, Web3 — *Hackathon Solana Mexico 2023*

- Built a chatbot that allows seamless interaction with the Solana Blockchain and crypto wallets for non-technical users
- Engineered the prompts for the LLM to produce natural and accurate responses.
- Enabled the chatbot to perform transactions and answer questions about Web3 and Decaf Wallet using Solana's SDK and APIs.
- Leveraged OpenAI's GPT 3.5 LLM to generate natural language responses and commands for the chatbot.
- Collaborated with a team of developers and communicated effectively to develop the chatbot and its features.

ITESM Robot Language Compiler — May 2023 – June 2023
Lex, Yacc, C++ — *Tecnológico de Monterrey*

- Designed and implemented a grammar and a compiler for a polite robot programming language using Lex and Yacc.
- Ensured the compiler's correctness and robustness by handling various syntactic and semantic errors.
- Generated assembly instructions for a simulated CPU of a car robot based on the input sentences.

Kueski R&D Dashboard - Team Leader and Product Owner — February 2023 - May 2023
React, Tailwind, MySQL, NodeJs, Express — *Tecnológico de Monterrey*

- Led a 5-person development team to design and build a web page for Kueski R&D employees to manage their customers' Access, Rectification, Cancellation and Opposition (ARCO) rights.
- Defined the product vision, scope and roadmap, and communicated them to the stakeholders and the team.
- Created a fast and responsive web page using React and Tailwind, following the best practices of web development and design.
- Implemented the database using MySQL and integrated it with the web page using Node.js and Express.
- Applied agile methodology to deliver a functional first version of the product, always taking into account the feedback and requests of the client.

COMPETITIVE PROGRAMMING EXPERIENCE

ICPC Training Camp Mexico | *Tecnológico de Monterrey* — January 2023

- Participated in an intensive training camp to prepare for the International Collegiate Programming Contest (ICPC).

AWARDS & HONORS

Stella Pre-incubation Phase 1 Scholarship | *Tecnológico de Monterrey* — November 2022

- Received a scholarship from Tecnológico de Monterrey for a team project: IoT Eartquake Detection System.

Academic Excellence Award | *Tecnológico de Monterrey* — March 2023

- Received the academic excellence award for having one of the highest GPA in my field.

TECHNICAL SKILLS

- **Web Development:** HTML5, CSS3, Bootstrap, Tailwind, React, Qwik js.
- **Programming Languages:** Python (machine learning and data analysis), C++ (OOP and data structures), Matlab (3D and 2D physical modelling), JavaScript/Typescript (React and Qwik Js).
- **Tools:** Git, Unix Command Line, Jupyter Notebooks, GitHub, VSCode.