Armando Terrazas Gómez

+523319444945 | A01640924@tec.mx | https://www.linkedin.com/in/armando-terrazas-gomez/ | https://github.com/Armandotrsg | https://armandotrsg.github.io/portfolio/home

EDUCATION

Tecnológico de Monterrey   Zapopan, JAL
B.S. in Computer Science and Technology; GPA: 98/100   *Aug. 2021 – Jun 2025*
- Relevant Coursework: Web Design for Everybody, Front-End Web Development with React
- Currently enrolled in MongoDB Node.js Developer Path

PROJECTS

Kueski R&D Web Page   February 2023 – Present
React, Tailwind, MySQL, NodeJs, Express   *Tecnológico de Monterrey*
- Designing a Web Page for Kueski R&D employees to accomplish their customers' ARCO rights
- Product Owner and member of a 5-person development team
- Building a fast and responsive web page using React and Tailwind
- Implementing the database using MySQL.

IoT Earthquake Detection System   September 2022 – Present
Python, NoSQL, Firestore, HTML5, CSS, JavaScript, Bootstrap   *Tecnológico de Monterrey*
- Worked in a team to complete the project, where I was the scrum master and developer
- Utilized Raspberry Pi and accelerometer to measure earthquake intensity in Python
- Programmed a camera to count people in a room using Tensorflow Lite and OpenCV
- Built a webpage called Rescue Helpers to visualize data from Firestore
- Allows for quick rescue efforts in case of building collapse

Non-Invasive Polygraph   Nov. 2022 – Present
Python, Tensorflow, Scikit-Learn, Pandas, OpenCV, Microsoft Azure   *Tecnológico de Monterrey*
- Developed non-intrusive polygraph to identify lies in a statement
- Used Machine Learning model to analyze statement and determine if it is false or not with 61% accuracy
- Analyzed eyes movement and head posing using trained machine learning models
- Utilized Microsoft Cognitive Services for speech-to-text and sentiment analysis

AWARDS & CONTEST PARTICIPATIONS

ICPC Training Camp Mexico | *Tecnológico de Monterrey*   January 2023
- Participated in a training camp for competitive programming, learning different algorithms and data structures.

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 Merit Award | *Tecnológico de Monterrey*   September 2022
- Three time consecutive awarded for one of the best GPA in the Science and Engineering Major.

HackMTY 2022 | *Tecnológico de Monterrey*   September 2022
- Participated in the 2022 Hackathon of Tecnológico de Monterrey, where with my team we developed a Machine Learning model able to identify and sort automatically different types of garbage.

SOCIAL SERVICE

English and French Teacher | *Tecnológico de Monterrey*   Sep. 2022 – Nov. 2022
- Volunteered as an English and French Teacher for children in the Language Learning Center In Tecnológico de Monterrey.

TECHNICAL SKILLS

- **Web Development:** HTML5, CSS3, Bootstrap, React
- **Programming Languages:**
  - **Python:** 18 months experience. Machine Learning and Data Analysis
  - **C++:** 18 months experience. OOP and data structures
  - **Matlab:** 1 year experience. 3D and 2D physical modelling
  - **JavaScript/Typescript:** 3 month experience. Use of React
- **Tools:** Git, Unix Command Line, Jupyter Notebooks, GitHub and VSCode