

Damián Ariel Ponce

dami.ponce8@gmail.com | linkedin.com/in/damianponce | damianponce.com

+54 9 11 3429 0789 | Morón, Buenos Aires | 23 years

WORK EXPERIENCE

GMF – Laboratorio de Aerodinámica y Fluidos – UTN FRH 2024 → Now
Web developer – Front-end Lead for an advanced online simulation Suite *Haedo, Bs.As. ARG (Hybrid)*

Freelance 2022 → Now
Website developer – Front End – UX/UI *Remote*

Vilafuerte Solutions 2022 → 2023
Spanish – English Interpreter *Miami, FL, USA (Remote)*

EDUCATION

Universidad Tecnológica Nacional (FRH) Haedo, Buenos Aires, ARG
Electronic Engineering – 3rd year 2021 → Now

I.N.A.C. C.I.A.T.A. Morón, Buenos Aires, ARG
Complete secondary school – Avionics Technician 2014 → 2020

PROJECTS

SatView - Satellite Viewer | *React, Next.js, WebAssembly, three.js, R3F, Redux* | [Link](#) 2023 → Now
Real-time satellite visualization tool.

- Implementation of orbital position propagation in real time with *satellite.js*
- Calculation and data management optimization for *frame by frame* rendering done in Rust/WebAssembly.
- Complete design of a 3D environment and interface for ease of use.

Web Portfolio | *React, Next.js* | [Link](#) 2021 → Now
Website dedicated to showing my projects, achievements, and other relevant data.

- Integration of a blog section to document in-depth work and discoveries.

WhatsApp Statistics | *React, Pyodide, pandas* | [Link](#) 2021 → 2022
Online data analysis tool for *WhatsApp* chats.

- Uses a *Python* integration in the browser with *WebAssembly* using *Pyodide*.
- Client-side data processing for greater security.
- Data visualization with interactive graphs.

Minesweeper | *React, Next.js* | [Link](#) 2023
Recreation of the game *Minesweeper* in the browser.

- Development of an algorithm to generate always solvable games/boards.

3D Perlin noise Animation | *React, three.js, R3F* | [Link](#) 2022
Simple visual demonstration of real-time 3D rendering in the browser.

Weather App | *React, Next.js* | [Link](#) 2021
Interactive display of weather data from an *open-source API*.

ABILITIES

Programming languages: HTML, CSS, SASS, JavaScript, TypeScript, Python, C, Wolfram, LaTeX, Rust.

Libraries: shadcn/ui, tailwindcss, three.js, R3F, pandas, NumPy, Matplotlib.

Frameworks: React, Next.js, React Native, Node.js, Sanity.

Tools: Git, GitHub, VSCode, Postman, Photoshop, Illustrator, Figma, Inventor, AutoCAD, Blender, Mathematica.

LANGUAGES

Spanish: Native

English: Fluent (C2 Proficiency)