IGNACIO AGUIRRE OROZCO

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SUMMARY

UH Computer Science student who ships small, useful tools. Strong with Python (pandas/pytest), comfortable with web basics (HTML/CSS/SCSS/JS), and serious about testing and clear docs. Hands-on, detail-focused, and ready to learn fast on real products.

TECHNICAL SKILLS

Back-end/Data
Python, pandas, argparse, pytest

Web
HTML, CSS, SCSS, JavaScript (ES6)

Tools
Git, GitHub, GitHub Actions, Linux (basic)

Concepts
CLI design, CSV/data wrangling, unit/integration testing, data structures

PROJECTS

Data Cleaner CLI, Python, pandas, argparse, pytest
- Built a command-line tool to validate, normalize, and summarize CSV files.
- Reduced manual cleanup time by ~80% using rules and quick stats.
- Added unit tests (pytest) and GitHub Actions CI; wrote a clear README with examples.
- Repo: github.com/nacho185 (pin: Data Cleaner)

Portfolio Website, HTML, CSS/SCSS, JavaScript
- Designed and deployed a personal site with responsive layout and clean components.
- Showcases projects (Weather App v2, Data Cleaner); deployed to a custom domain.
- Live: ignacio.pages.dev Weather App: https://nacho185.github.io/weather-app-v2/ ↗

LEGv8-Lite ALU, C# or C++ — In progress
- Building a small ALU with registers X0–X30 and core ops: ADD, SUB, AND, ORR, LSL, LSR, ASR.
- Tracking NZCV flags; aiming for a simple REPL that runs lines like "ADD X0, X1, X2".
- Status: design outlined, coding MVP next; repo link will be added after first commit.

EDUCATION

A.S. in Computer Science, San Jacinto College   05/2025
Honors: Phi Theta Kappa GPA: 3.52 overall, 3.75 core

B.S. in Computer Science (in progress), University of Houston
Relevant courses: Data Structures, Systems/Assembly (LEGv8), Algorithms, Software Engineering

EXPERIENCE

Quality Control Technician, Keystone Engineering   02/2025 – Present   Houston, TX
Ran precision inspections (micrometers, calipers, gauge blocks, optical comparator).
Logged results for traceability and wrote clear defect notes to support engineers.

Saw Operator / Chamferer & Stamper, Dan-Loc Group   2022 – 2024   Houston, TX
Promoted to saw operator; verified materials/specs and met schedule targets.
Maintained equipment, staged work (crane/forklift), and performed quality checks.