

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

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

- Built a command-line tool to validate, normalize, and summarize CSV files.
- Reduced manual cleanup time by ~80% using rules and quick stats.
- Added a lightweight Flask web interface to upload csv file.
- Implemented data cleaning rules for missing values, duplicates, and texts.

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

Honors: Phi Theta Kappa GPA: 3.52 overall, 3.75 core

05/2025

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

Ran precision inspections (micrometers, calipers, gauge blocks, optical comparator).
Logged results for traceability and wrote clear defect notes to support engineers.

02/2025 – Present
Houston, TX

Saw Operator / Chamferer & Stamper, Dan-Loc Group

Promoted to saw operator; verified materials/specs and met schedule targets.
Maintained equipment, staged work (crane/forklift), and performed quality checks.

2022 – 2024
Houston, TX