

Ilan Vieira Pechman

Orlando, FL • ilan.pechman@gmail.com • linkedin.com/in/ilanpechman • github.com/ipechman • ipechman.github.io

SUMMARY

Aerospace Engineering student at the University of Central Florida (B.S. expected December 2026) with hands-on research and manufacturing experience. Born in Rio de Janeiro, Brazil and based in the U.S. since age 13, pairing a strong engineering foundation with a deep interest in computer science and applied AI. Quick to pick up new tools and technologies, with a focus on problems where hardware and software meet.

EXPERIENCE

Undergraduate Researcher

University of Central Florida

January 2025 – January 2026

Orlando, FL

- Measured and characterized wetting velocities of multiple fluids across engineered meta-materials.
- Operated a high-powered laser to fabricate surface features and quantify their effect on wetting behavior.
- Co-authoring a research paper documenting the methodology and findings (in progress).

EDUCATION

University of Central Florida

B.S., Aerospace Engineering

- Formula SAE – machined and manufactured parts for the collegiate competition team.

Orlando, FL

August 2024 – December 2026

Austin Community College

Associate's Degree, Engineering

Austin, TX

June 2022 – June 2024

Rouse High School

Leander, TX

August 2020 – May 2022

Windermere High School

Windermere, FL

August 2018 – May 2020

Eliezer Max

Rio de Janeiro, Brazil

2007 – 2017

PROJECTS

Personal Portfolio Website

ipechman.github.io

2024 – Present

- Designed and built a responsive personal site from scratch with vanilla HTML, CSS, and JavaScript.
- Implemented a dynamic, manifest-driven photo gallery, a multi-theme system, and accessible keyboard navigation; deployed via GitHub Pages.

SKILLS

Engineering & CAD: Autodesk Inventor, Fusion 360, Ansys Fluent, LabVIEW, MATLAB

Programming & Data: C++, Python, C#, Data Analysis, Data Science

Operating Systems: Windows, Linux, macOS

Languages: Portuguese (Native), English (Native / Bilingual), Spanish (Working Proficiency)