

RICHARD GUZMAN

DISCIPLINE
Industrial Design
Fabrication · Aviation

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00 — NOTE

I figure out how things work, how to build them at scale, and how to make them intuitive for the people using them. My approach relies heavily on manufacturing reality, clean geometry, and discipline.

01 — WORK

DELL TECHNOLOGIES 2016 → PRESENT

Industrial Design Engineer

Lead industrial design for Tower and Edge servers — making dense, complicated enterprise hardware clean and buildable.

Carved out a niche tackling complex geometry and pattern work, writing Python to build algorithmic CAD models so thousands of intricate details never get surfaced by hand.

Build rendering pipelines for digital twins with a small team, making sure the digital design matches reality as closely as a photograph.

Build AI and custom tooling to automate the tedious work so the team can get back to designing.

The studio's utility player — moving between engineering, advanced surfacing, and high-end visualization wherever I'm useful.

HEWN AUSTIN 2014 → 2016

CNC Programmer & Concept Developer

Designed and built custom modern cabinetry, metalwork, and millwork.

Bridged office and shop floor: drafting, CNC programming, joinery, finishing, BOMs, and field quality control — learning exactly what it takes to turn an architect's concept into an installed product.

Stepped outside standard millwork to design and visualize the owner's passion projects from scratch: a custom paddleboard, and a boat with Western Red strip planking and a mahogany hull.

DELL TECHNOLOGIES 2013 → 2014

Industrial Design Intern

First look at the realities of corporate design and enterprise product development.

02 — AWARDS

2024 **PowerEdge T160** — Red Dot, Good Design & iF winner

2024 **PowerEdge T160** — ServeTheHome Product of the Year

2023 **PowerEdge XR4000** — Red Dot winner; iF winner, 2022

2020 **Encoded Forms** — SXSW Innovation Design Award finalist

03 — TOOLS

3D & RENDERING

Rhino 3D, Grasshopper, KeyShot

VISUALIZATION

Adobe Creative Suite, photography, digital twins

ENGINEERING

Creo Parametric, Python for algorithmic CAD

PRACTICE

Design language development, competitive intelligence, storytelling

04 — SCHOOL

AUBURN UNIVERSITY B.S. Industrial Design 2008 → 2013