Parametric Craftsmanship: Digital Workflows and Jewelry Fabrication at IXU Design

At IXU Design, computational design meets traditional jewelry craftsmanship. Using Rhino and Grasshopper, complex parametric geometries are translated into precise physical pieces through casting, advanced materials, and meticulous hand finishing.

Thinking in Code: First-Year Towers from Ain Shams University

First-year architecture students at Ain Shams University utilized Grasshopper to design and fabricate parametric towers, learning to think like system designers from day one. The course emphasized algorithmic logic, data structures, and generative workflows to build not just models, but design intelligence.

Behind the River Plate

Facade: A Digital Approach

Dive into the innovative design and digital fabrication process behind the parametric facade of the River Plate Football Club parking structure. This story highlights the use of Rhino, Grasshopper, and various plugins to tackle complex challenges and achieve an efficient and visually dynamic result.

Hive Project: Nature-Inspired Kinetic Architecture

The cooperative behavior of honeybees inspires the Hive project’s modular design. Just like bees create a wavelike cascade by ‘shimmering’ when threatened, the project’s core system tessellates any geometry into hexagons.

Origami, Shaping Colombia’s Architectural Frontier Through Parametric Design

Origami has redefined architectural possibilities through parametric and algorithmic design. Their strategic use of plugins and technological understanding allows them to produce efficient and aesthetically pleasing solutions in every

project.