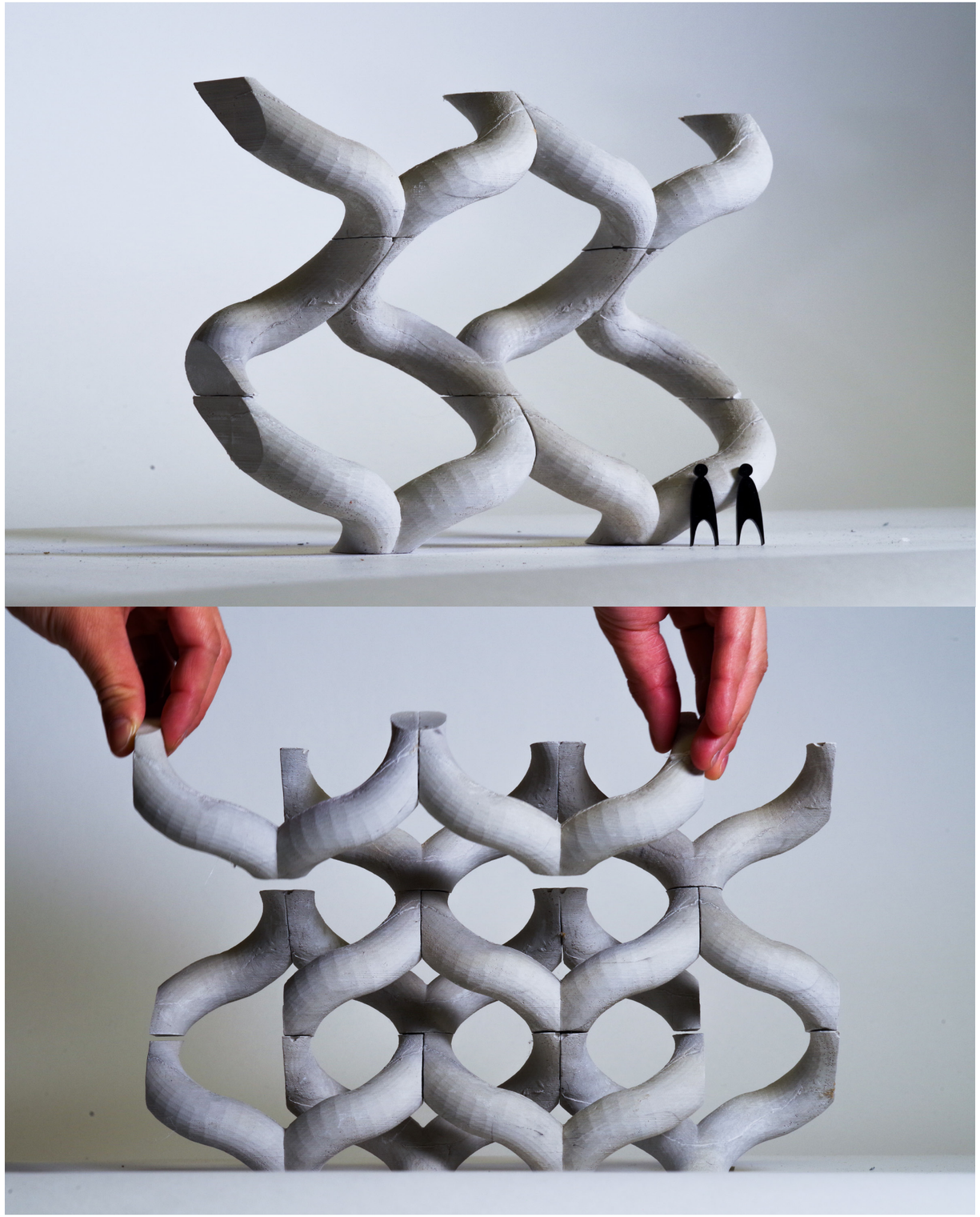
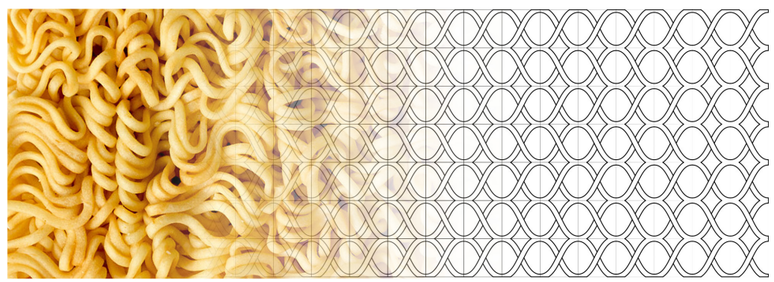


Undulating transitional geometries

3D Concrete tiling through hands-on fabrication

Transitional geometries (A4856) | Columbia GSAPP | Fall 2019
Professor Joshua Jordan *jcj2134@columbia.edu*

The goal of Transitional geometries was to first design a three-dimensional tiling system, to then create an efficient fabrication process which would allow me to produce at least 12 tiles. My tiles was inspired by the curvy patters of instant ramen noodles, which also bear similarities to microscopic views of cloth weavings. The first challenge was deconstructing the ramen noodle's two-dimensional underlying pattern, then to expand the system into the three-dimensions. But the more difficult challenge was the fabrication process, as I had to perfect the silicone molding and the concrete casting process.



Deconstructing ramen noodle's geometrical underlay