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FLOATING URBAN BLOCKS

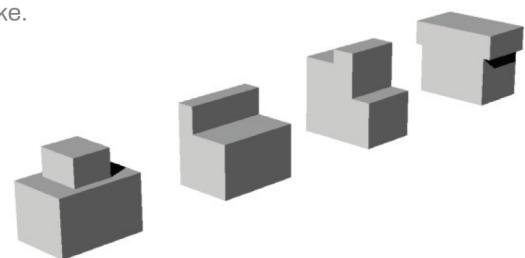
I was elected to lead a group of four undergraduate students under the mentorship of Kristina Hill, an associate professor of landscape architecture and environmental planning and urban design at UC Berkeley, and Ph.D student Nate Kauffman, to design and build a scale model of a neighborhood block floating in water devised by the All Bay Collective team for the Resilient by Design Bay Area Challenge.



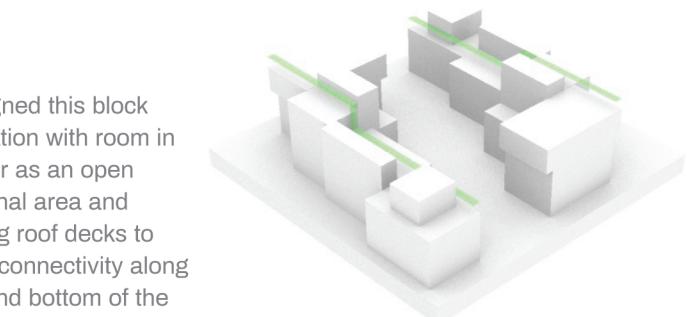
This radical housing solution tackles two potent issues affecting the bay area: the housing crisis and sea level rise. As a response to the traditional, static infrastructure in place to target sea level rise, this solution adapts to nature, as a floodable development that uses a horizontal wetland levee as flood protection. Building walls to fend off flooding only leads to destruction once those walls fail. This dynamic landform interacts with the shoreline, allowing water to slowly infiltrate and fill a basin containing the neighborhood block. Instead of facing devastation, this residential block will rise and fall along with the changing sea level.



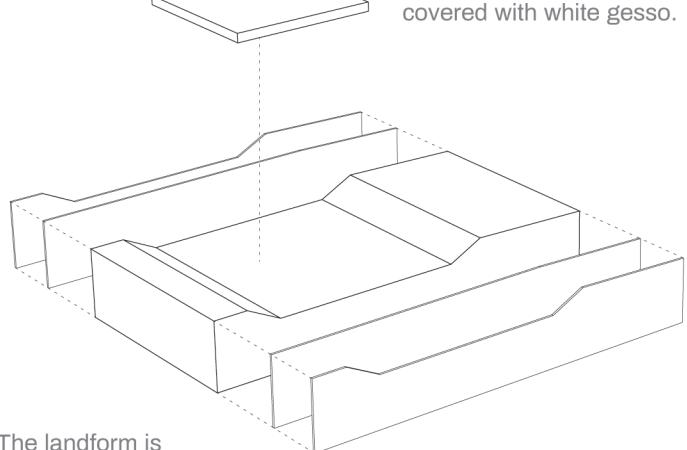
My team used these four building typologies to design what a neighborhood on water might look like.



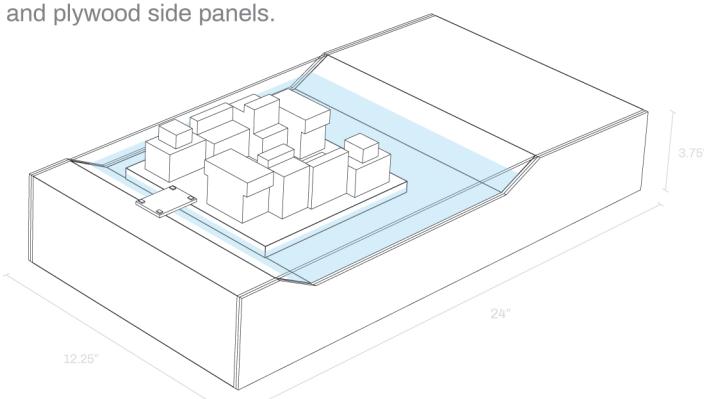
We designed this block configuration with room in the center as an open recreational area and conjoining roof decks to allow for connectivity along the top and bottom of the structure.



We 3-D printed the block and buildings to our specifications determined by a buoyancy calculator to ensure floatation. Then covered with white gesso.

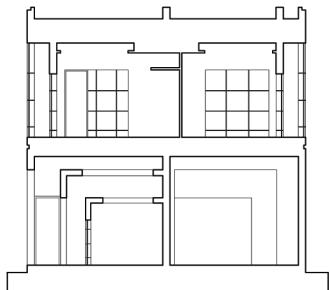
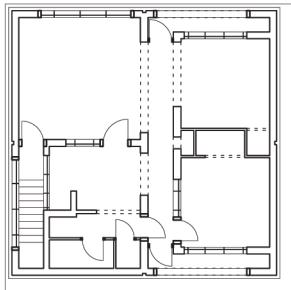


The landform is composed of foam covered in white gesso and laser cut plexiglass and plywood side panels.

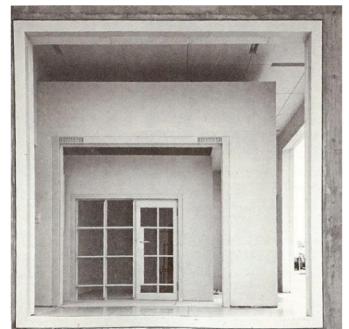


TODOROKI RESIDENCE

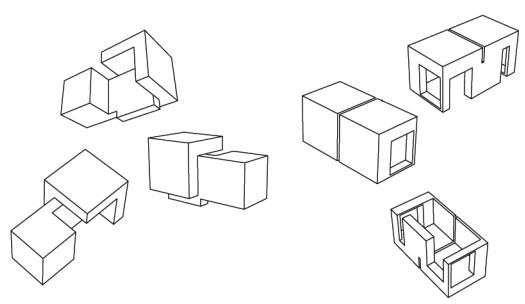
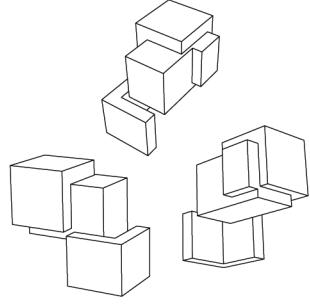
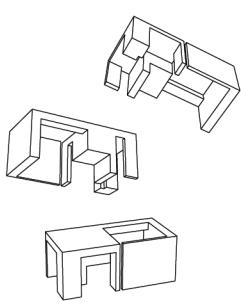
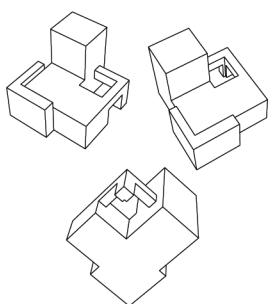
For this project, I was assigned Hiromi Fujii's Todoroki Residence. I studied plans and sections of this two story home and constructed my own to better understand the spaces of the structure.



I was randomly assigned the number five, which is the number of pieces I would recreate a massing model of the building with.



When designing my model, I deepened the seam dividing up the facade to give the appearance of eight, floating cubes. I wanted a simple, unsuspecting exterior, that when pulled apart, would reveal complex pieces detailing spatial relationships on the interior. My pieces fit together with little to no wiggle room, creating a satisfying assembly of the pieces in to a tight, compact model.



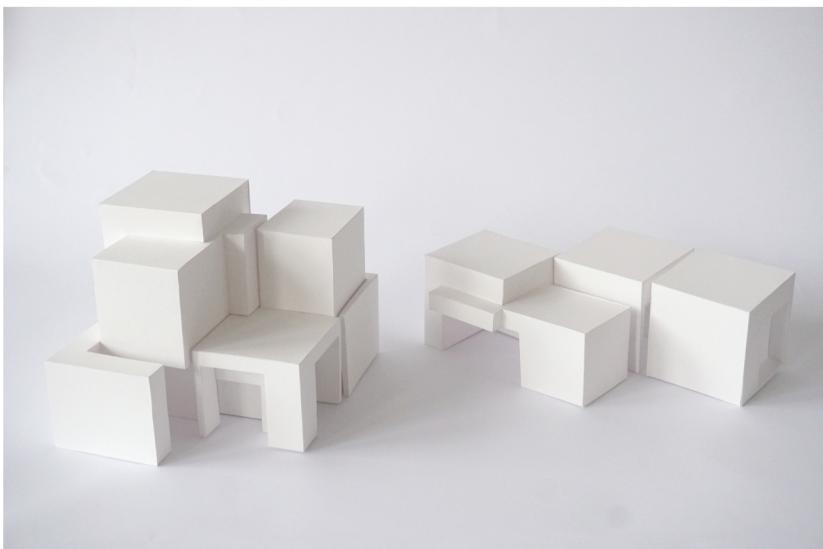
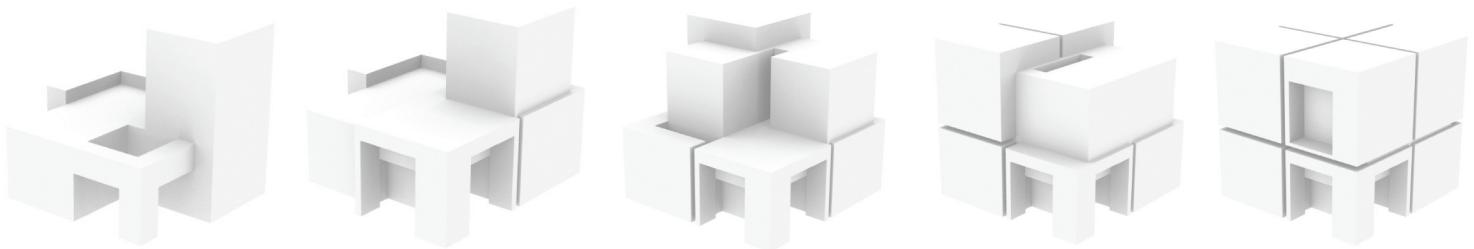
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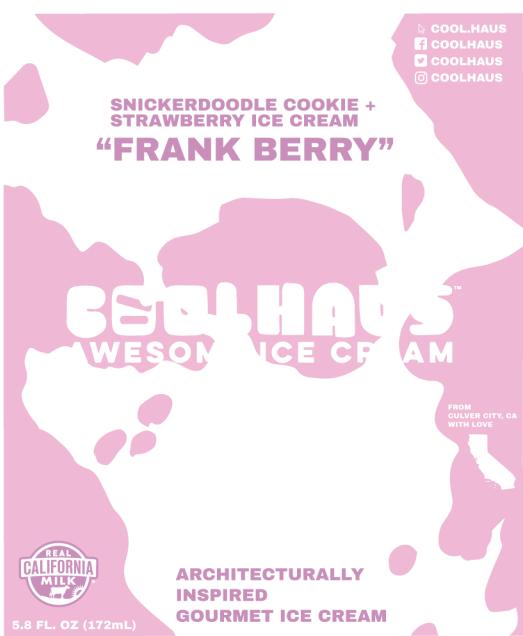
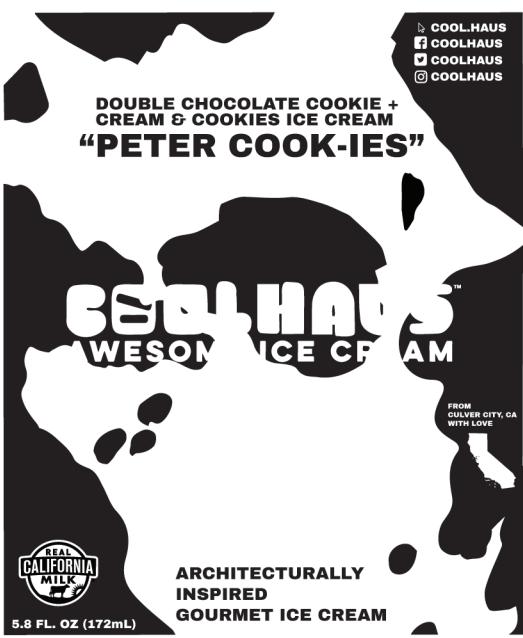
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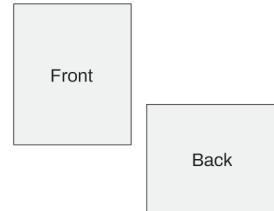
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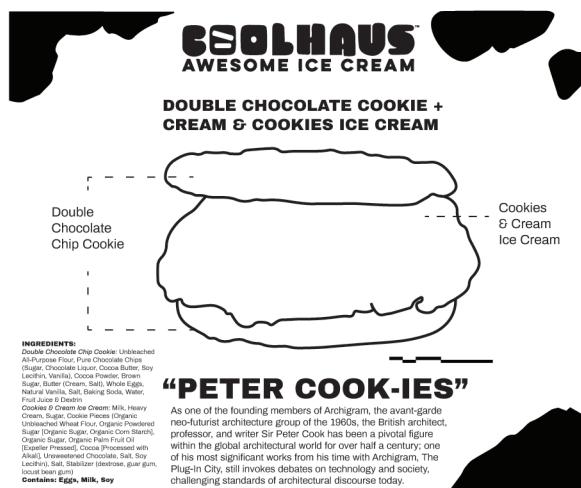
6" cube, Bristol

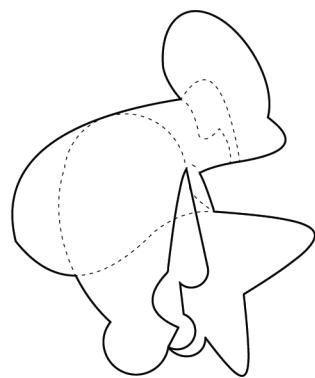
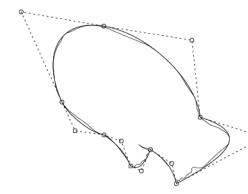
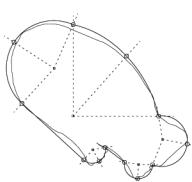
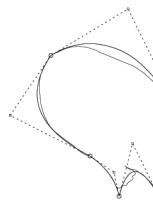
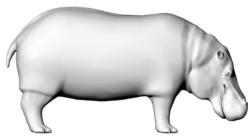
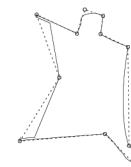
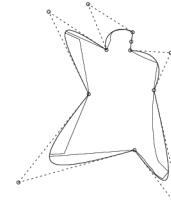
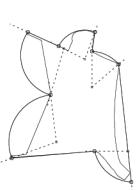
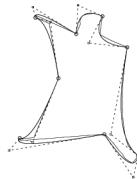


COOLHAUS PACKAGING DESIGN COMPETITION



Coolhaus was founded by CED architecture alum, Natasha Case, who creates ice cream sandwiches inspired by architects and different design movements. For my packaging design, I played with the idea of figure-ground, a fundamental concept in my first architecture studio at Berkeley.



OBJECT**PROJECT****ANALYZE**

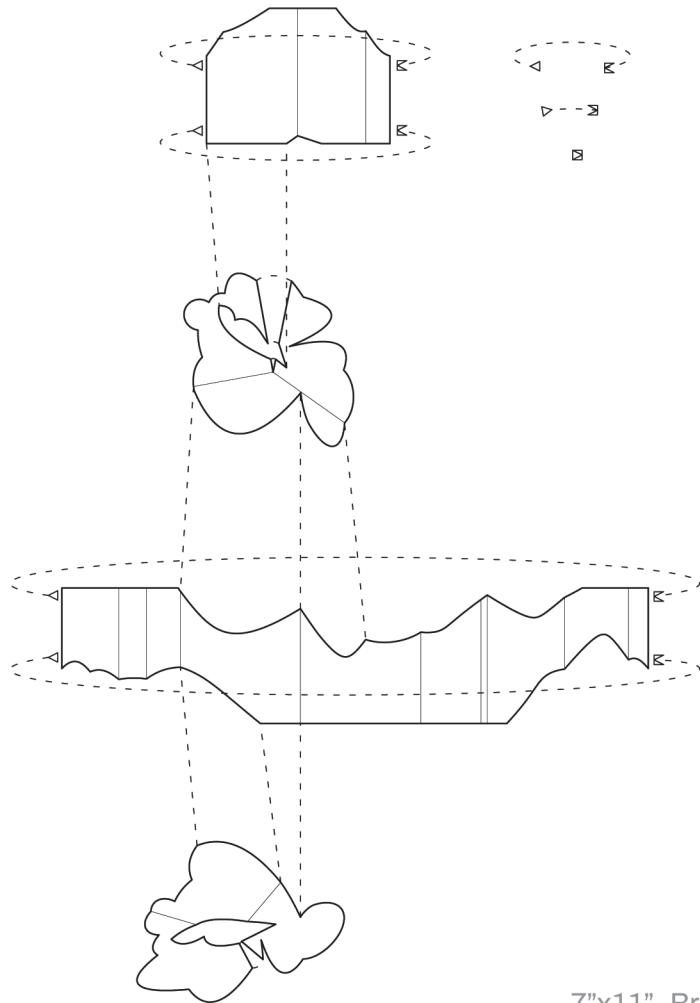
For this project, I was assigned two random objects: a hippo and a coconut chair. I created projections of these objects to make them unrecognizable, and then further abstracted the forms with lines, arcs, splines, and conics. I used these new forms to create a single composition, using overlapping areas to create an interior space.



Elevation

Section

Section



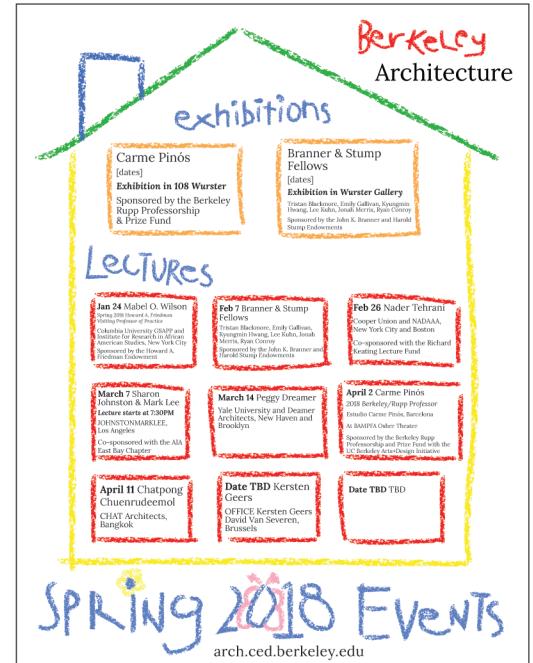
7"x11", Bristol

SPRING LECTURE SERIES POSTER

This was my submission to UC Berkeley's College of Environmental Design Spring 2018 Lecture Series Poster Competition. My design centers around deconstructing the unapproachable and pretentious stigma surrounding the field of architecture that prevents students from attending these lectures. The children's crayon doodles serve as a playful equalizer reminding students and faculty of where we all started.

Event	Date	Description
Berkeley Architecture		
Carme Pinós	[dates]	Exhibition in 108 Wurster Sponsored by the Berkeley Rupp Professorship & Prize Fund
Branner & Stump Fellows	[dates]	Exhibition in Wurster Gallery Tristan Blackmore, Emily Gallivan, Kyungmin Hwang, Lee Kuhn, Jonah Merris, Ryan Connroy Sponsored by the John K. Branner and Harold Stump Endowments
Jan 24 Mabel O. Wilson	Jan 24	Spring 2018 Howard A. Friedman Visiting Professor of Practice Columbia University GSAPP and Institute for Research in African American Studies, New York City Sponsored by the Howard A. Friedman Endowment
Feb 7 Branner & Stump Fellows	Feb 7	Tristan Blackmore, Emily Gallivan, Kyungmin Hwang, Lee Kuhn, Jonah Merris, Ryan Connroy Sponsored by the John K. Branner and Harold Stump Endowments
Feb 26 Nader Tehrani	Feb 26	Cooper Union and NADAAA, New York City and Boston Co-sponsored with the Richard Keating Lecture Fund
Mar 7 Sharon Johnston & Mark Lee	Mar 7	Lecture starts at 7:30PM JOHNSTONMARKLEE, Los Angeles Co-sponsored with the AIA East Bay Chapter
March 14 Peggy Dreamer	March 14	Yale University and Deamer Architects, New Haven and Brooklyn
April 2 Carme Pinós	April 2	2018 Berkeley/Rupp Professor Estudio Carme Pinós, Barcelona April 2, 2018 Sponsored by the Berkeley Rupp Professorship and Prize Fund with the UC Berkeley Arts+Design Initiative
April 11 Chatpong Chuenrudeemol	April 11	CHAT Architects, Bangkok
Date TBD Kersten Geers	Date TBD	OFFICE Kersten Geers David Van Severen, Brussels
SPRING 2018 EVENTS		arch.ced.berkeley.edu

18" x 24" Poster



8.5" x 11" Flyer



8.5" x 11" Placard