



# Paperwork

Paper engineering by Yeray Pérez-Vallejo

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Hi, there!

I'm Yeray Pérez-Vallejo.

I'm a paper engineer: I design paper mechanisms for books and cards.

**Here's some of my work.**

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A traveling lesson about Mandarin script

**我和你 - «*You and Me*»**

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# Cards and papercraft

Pop-up greeting cards

## UWP Luxe Pure Alchemy

Pop-up greeting cards for the U.S. market, commissioned by UWP Luxe for their Pure Alchemy line. Cards in this line are all laser cut, allowing for tiny, delicate details.

These commissions have been illustrated and engineered by me.



This flock of flamingoes stands on thin legs and bamboo branches in an intricate design.

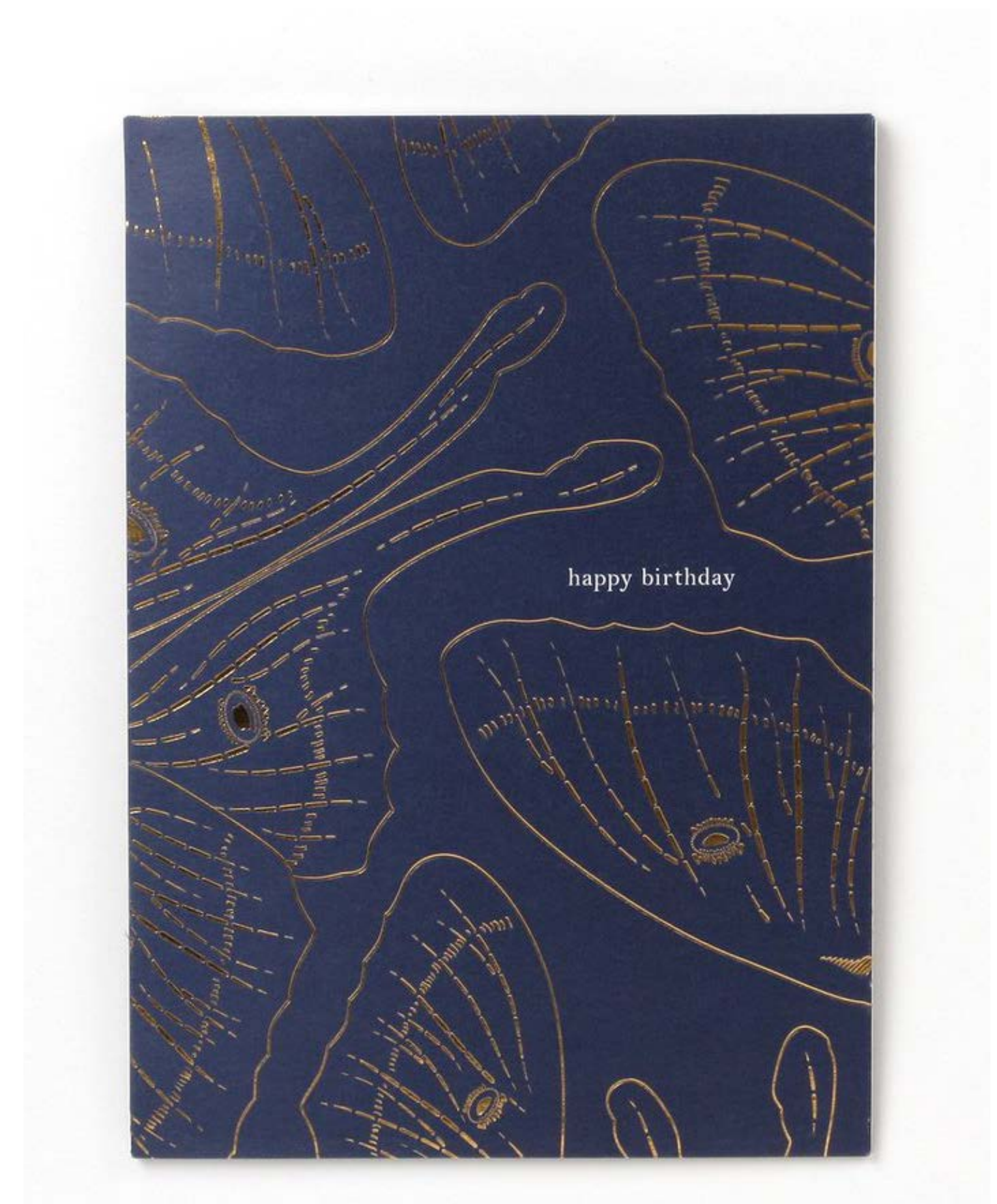


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# Cards and papercraft

The wing movement  
of this luna moth  
mimics that of the living  
specimens.



Nerves in the wings are  
laser cut and eyelets  
and antennae are  
stamped in golden foil.



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# Cards and papercraft



This simple tunnel card makes use of the shift between layers to hide a surprise party for an unsuspecting bear.



The design is printed and holo-stamped on the lasercut paper base.

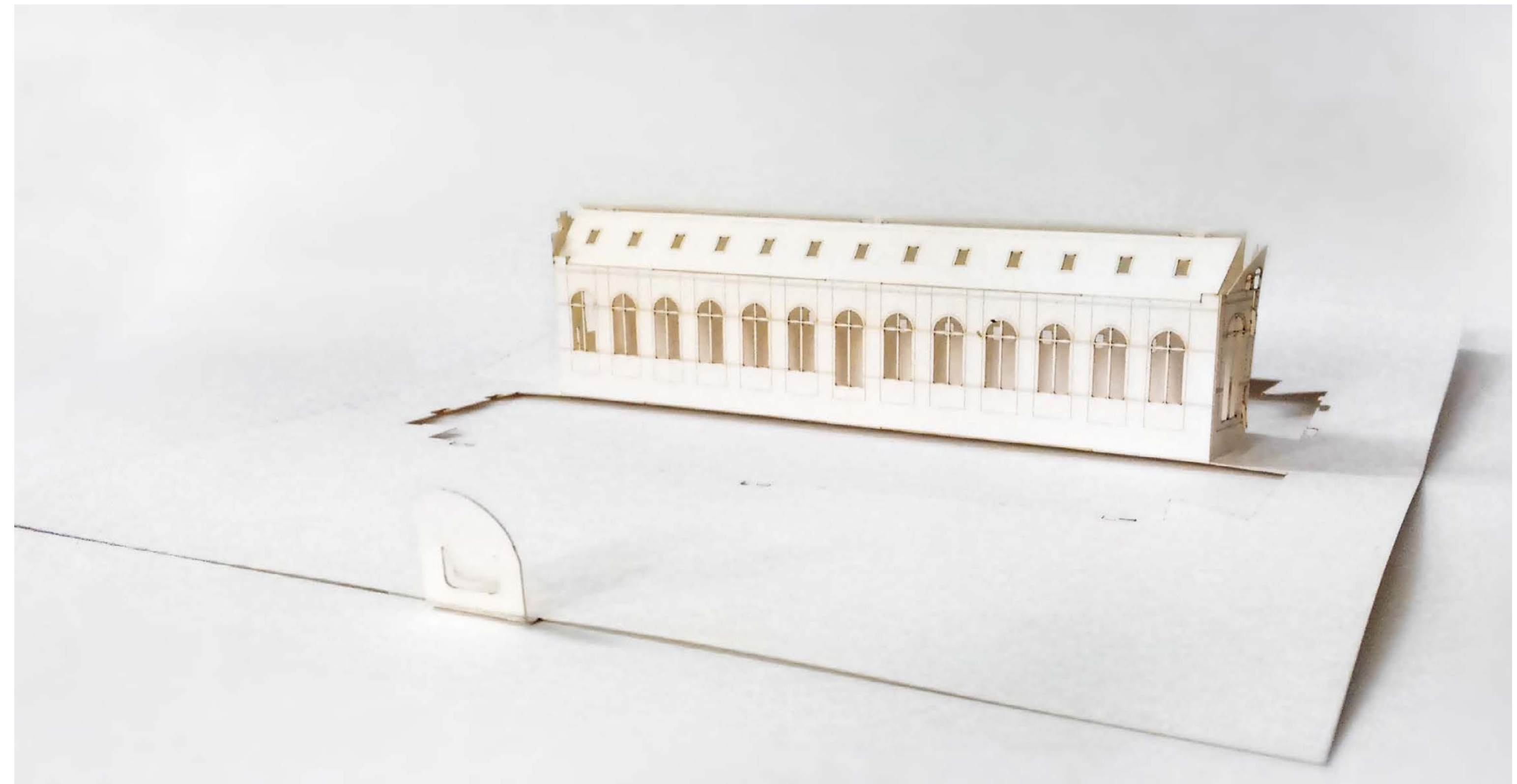
# Cards and papercraft

Laser cut invitation

## Google Campus Madrid

Laser cut and engraved pop-up card for the opening ceremony of Campus Madrid, the Google Spain center for startup incubation.

This invitation card had a really short run. Each copy was individually hand assembled.



Lines in the model and invitation texts were etched on the paper with the same laser used in the die cut.



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# Cards and papercraft

Charity Christmas card

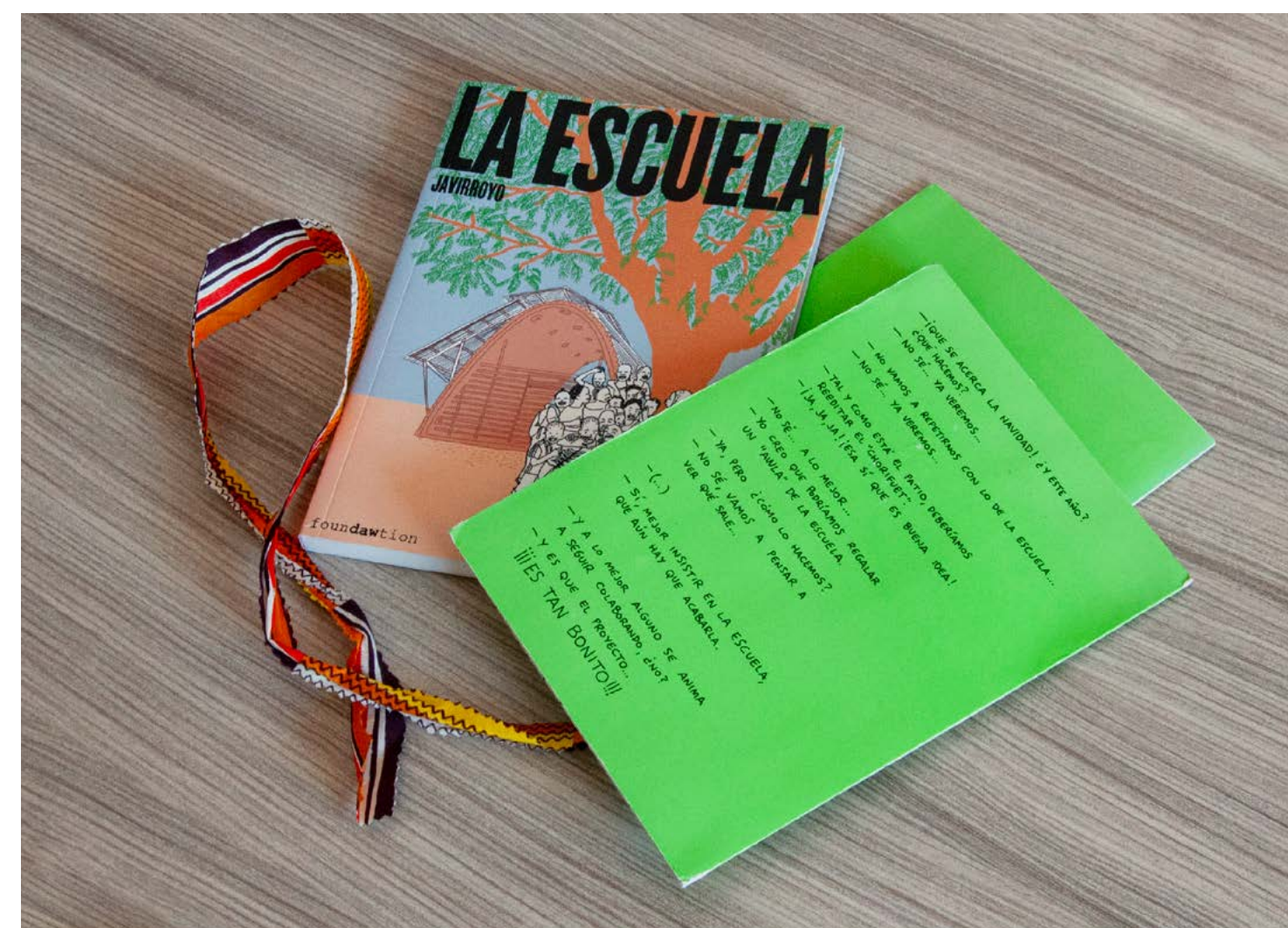
## Foundawtion - La Escuela

Christmas card for a private commission. The clients are patrons of a charity building schools in Senegal and were gifting a promotional comic and pop-up card to friends and colleagues.

The card displays the actual school modules as depicted by Spanish illustrator and cartoonist Javirroyo.



Meant for a short, locally produced run, this pop-up had to be thoroughly optimised to even make it stay on budget.



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# Cards and papercraft

Stop motion set design

## Makerator

Miniature set design for a stop motion short video. Makerator is the name of FabCafé BCN's Maker Bus, a massive thing going from town to town carrying a full digital fabrication lab on its back.

Want to see it move?  
Go to [vimeo.com/194658042](https://vimeo.com/194658042)



Every piece on this set is cut directly from the base paper and assembles without glue, except for the yellow buildings and the bus.



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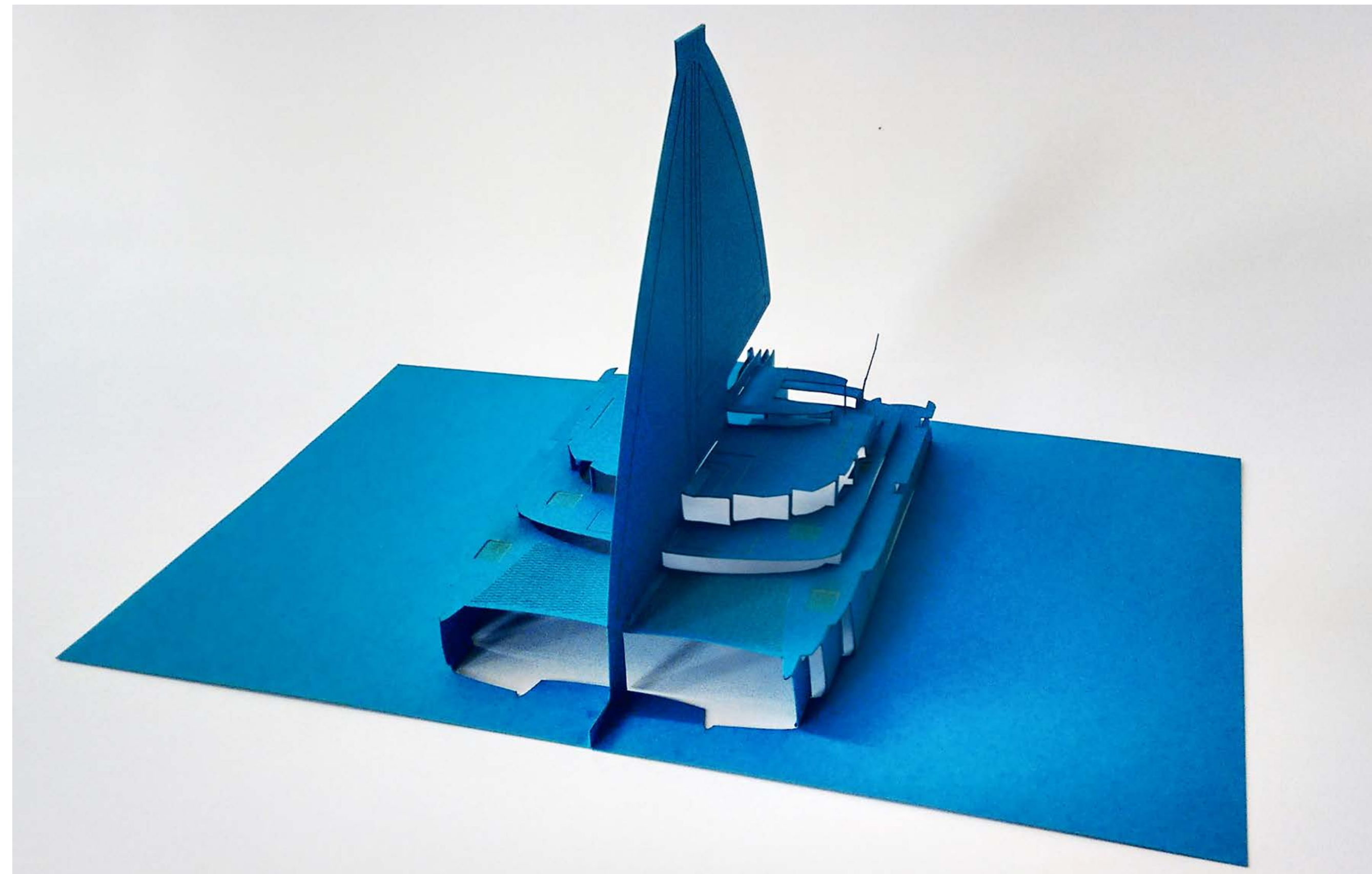
# Cards and papercraft

Commercial pop-up card

## Catamaran

Souvenir card for attendees to a boat exhibition in Barcelona. This model is a scaled representation of one of the catamarans on display, picked from the exhibitor's catalog.

The whole model is cut and folded from the same piece of paper, no glue required.



The client commissioned two versions for this card: 90 degrees and 180 degrees (mirroring and adapting the original).





# Cards and papercraft

Laser cut cardboard toys

## DINO and ZOO kits

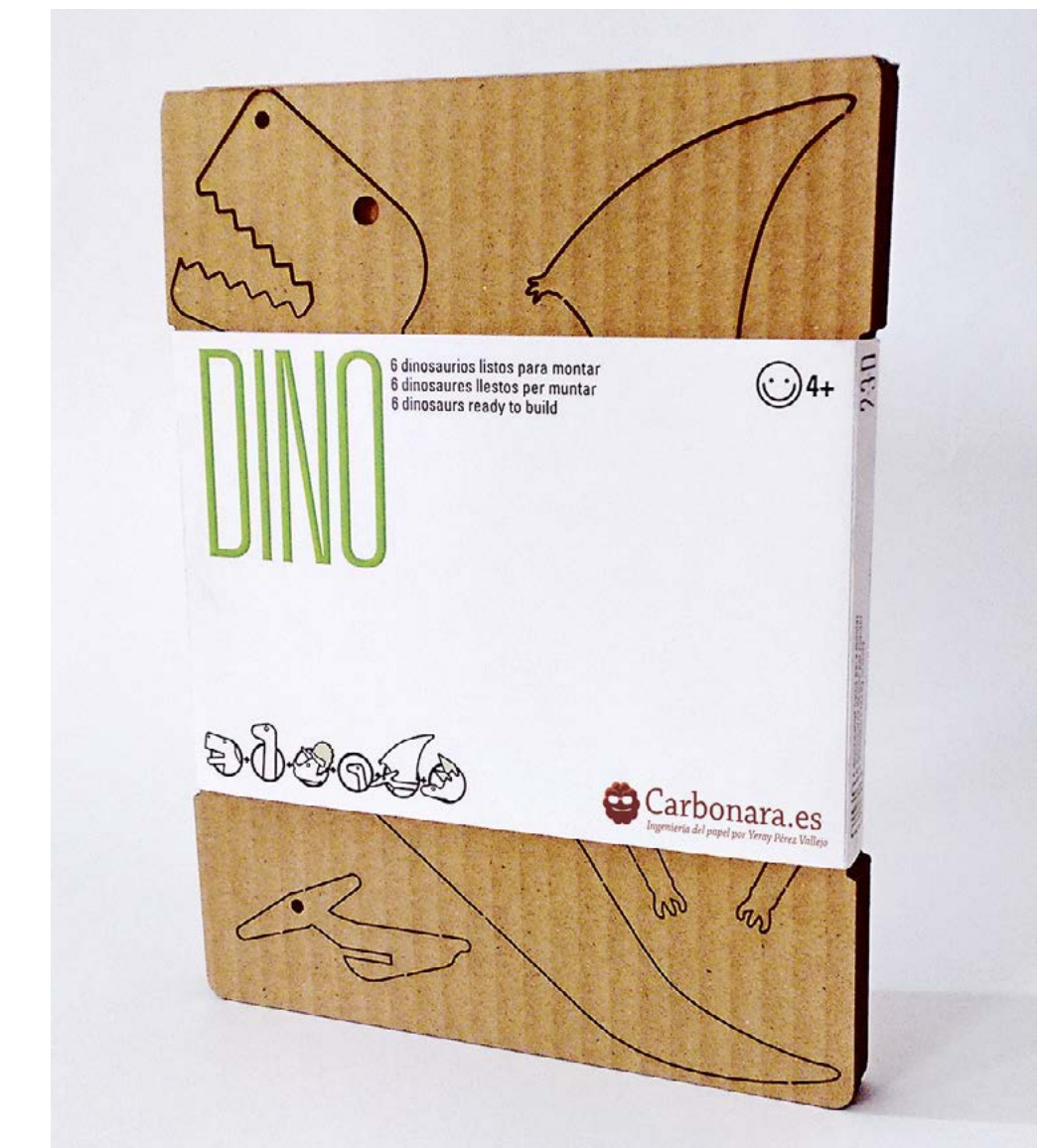
Self-commissioned product design.  
You can buy them in several stores  
in Barcelona, in FabCafé BCN and  
online at the following links:

Order your own DINO kit

Go to [tiny.cc/DINOkIt](https://tiny.cc/DINOkIt)

Order your own DINO kit

Go to [tiny.cc/ZOOkIt](https://tiny.cc/ZOOkIt)



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# Cards and papercraft

Pop-up set design

## *Periplo - Journey*

Periplo is a two-person silent play on the tragedy of war and the displacement of refugees. It follows a couple as they fall in love, build their life together and are then uprooted by conflict.

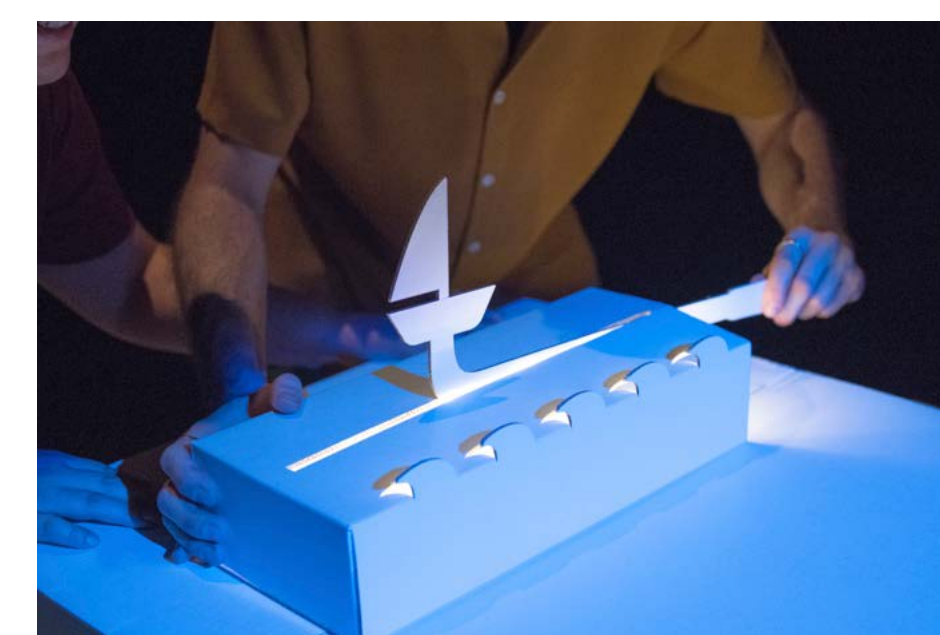
The pop-up set design caters to two different matters: the fleeting themes in the play and the actual need of it to be carried around by the two company members while on tour through South America.

The sets for the whole play fold onto themselves and can fit in a small van (or even bagged and carried).

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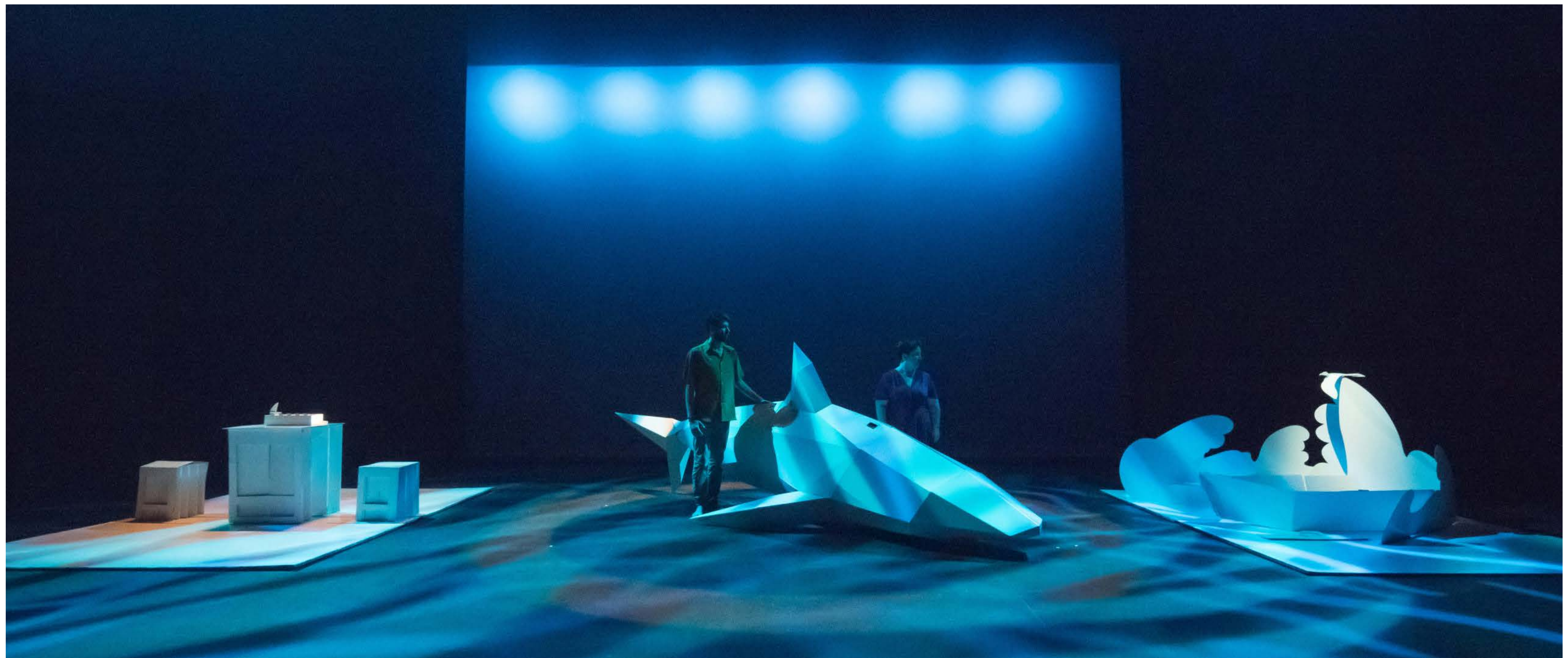
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## Cards and papercraft



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# Pop-up books

*An explorer's journal on butterflies and moths*

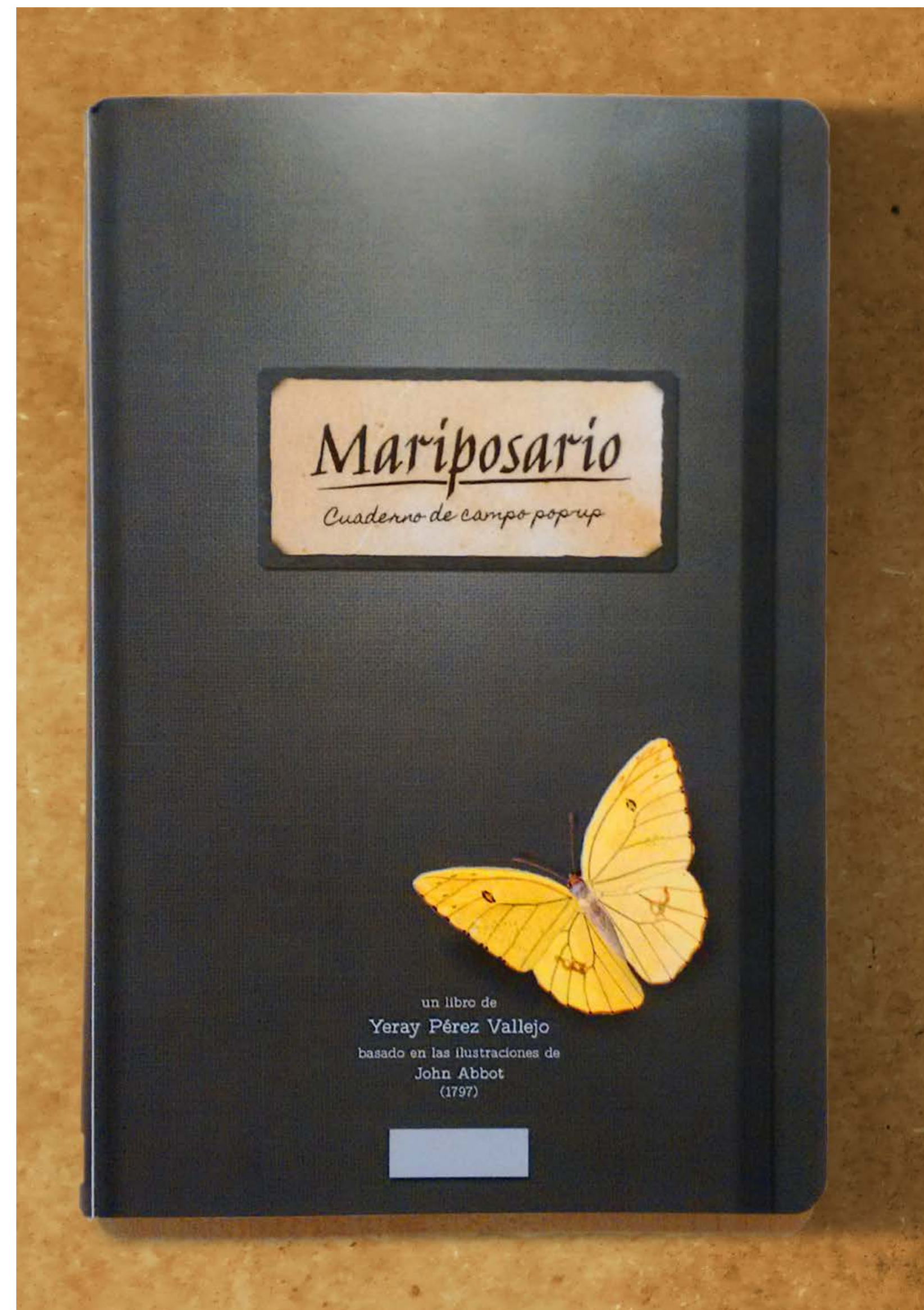
## Mariposario

My second fully-authored book (page design, pop-up and text) is entirely self-commissioned and looking for an interested publisher.

*Mariposario* is a pop-up field journal featuring several life-sized butterflies and moths.

The beautiful illustrations on this book are adapted from original 18th century engravings by John Abbot, a botanical and zoological illustrator who penned dozens of artworks.

*Mariposario* features information on each featured species, such as habitat, diet or what it's named after.



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# Pop-up books



The nine butterflies present in the first prototype of the book are the following:

1. *Caligo ilioneus*
2. *Phoebis sennae*
3. *Antheraea polyphemus*
4. *Poligonya C aureum*
5. *Limenitus arthemis astyanax*
6. *Manduca rustica*
7. *Urbanus proteus*
8. *Hyalophora cecropia*
9. *Darapsa choerilus*



# Pop-up books

*A moving book on dancing*

## **Las Niñas Flamencas** *Flamenco girls*

Published by Combel in Spain.

*Las Niñas Flamencas* is the first book by illustrator Susana Subirana. My paper engineering is done on her original 2D illustration work.



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## Pop-up books



The last spread of the book opens to shape a *tablaó*, a traditional flamenco stage.



# Pop-up books

*A Persian legend with a pop-up palace*

## La Légende de Zal *The Legend of Zal*

*The illustrated album by French publisher Amaterre, La Légende de Zal is a gorgeous retelling of an old Persian legend.*

*The book features a pop-up centerfold displaying a multicolored castle. The single-sheet scene follows the principles of Origamic Architecture.*

Behind the pop-up proper, a stained glass pattern can be glimpsed through every lasercut door and window.



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# Pop-up books

*A lesson on love and patience*

## **Te quiero (casi siempre)** *I love you (most of the time)*

Published by Planeta in Spain and associated publishers abroad.

Pop-up book adaptation of best-selling author Anna Llenas. Pop-up scenes developed from the original illustrations in the book, with direct collaboration from the author.

*Te quiero (casi siempre)* tells the story of a cute bug couple and their struggle to accept and love each other's differences.



The engineering in this book tries to keep the feeling of the original illustrations while leveraging the impact of pop-ups.

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# Pop-up books





# Pop-up books

*A modern classic with a 3D twist*

## Isadora Moon va al cole *Isadora Moon goes to school*

*This is a pop-up adaptation of the acclaimed young-readers book by Harriet Muncaster. Unlike other summarised pop-up adaptations, this edition keeps the whole original text while adding movable scenes to select scenes.*



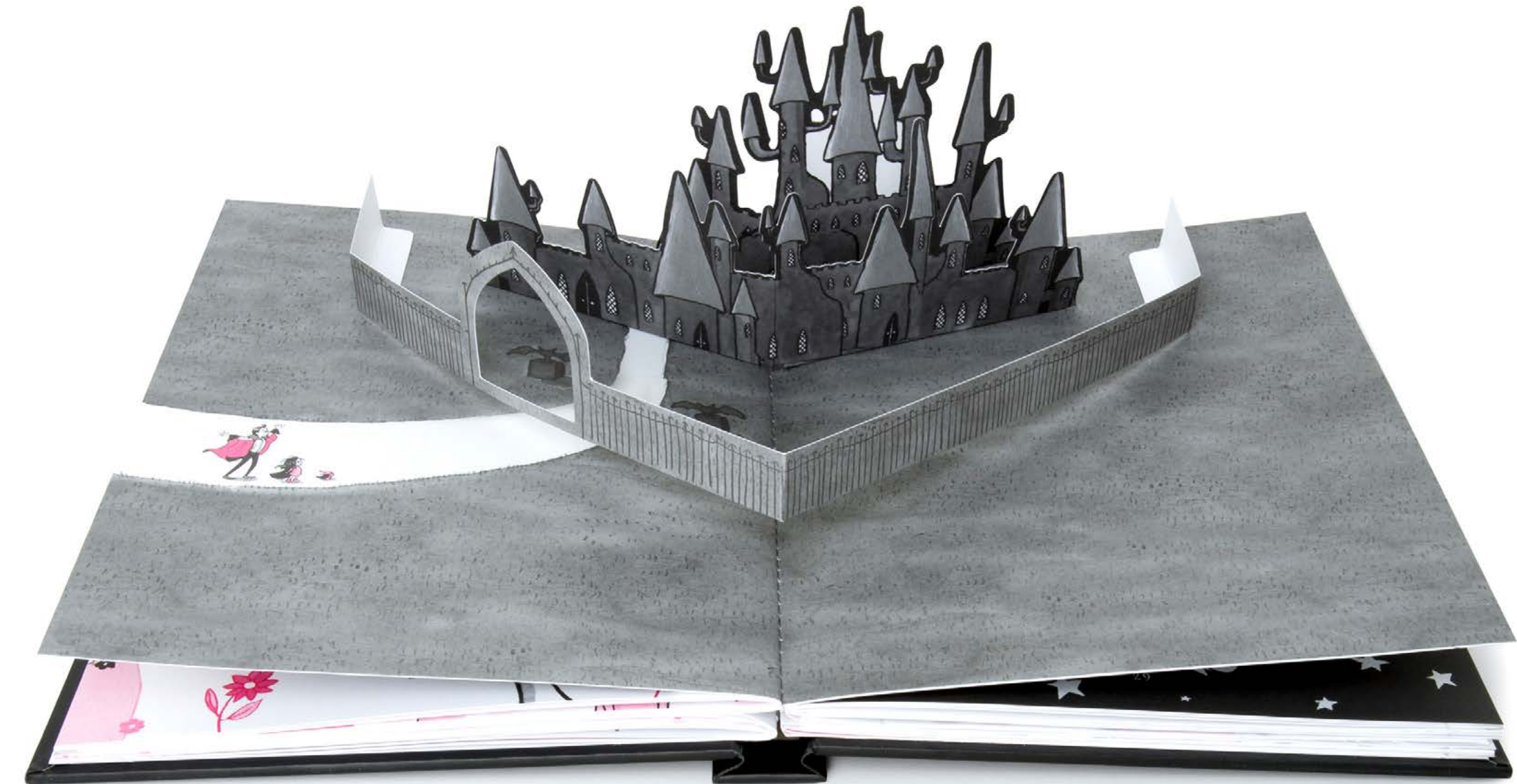
The young age of the target audience means the pop-ups should be simple and sturdy, yet this book has some tricks up his sleeve.



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# Pop-up books



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# Pop-up books

*A traveling lesson about Mandarin script*

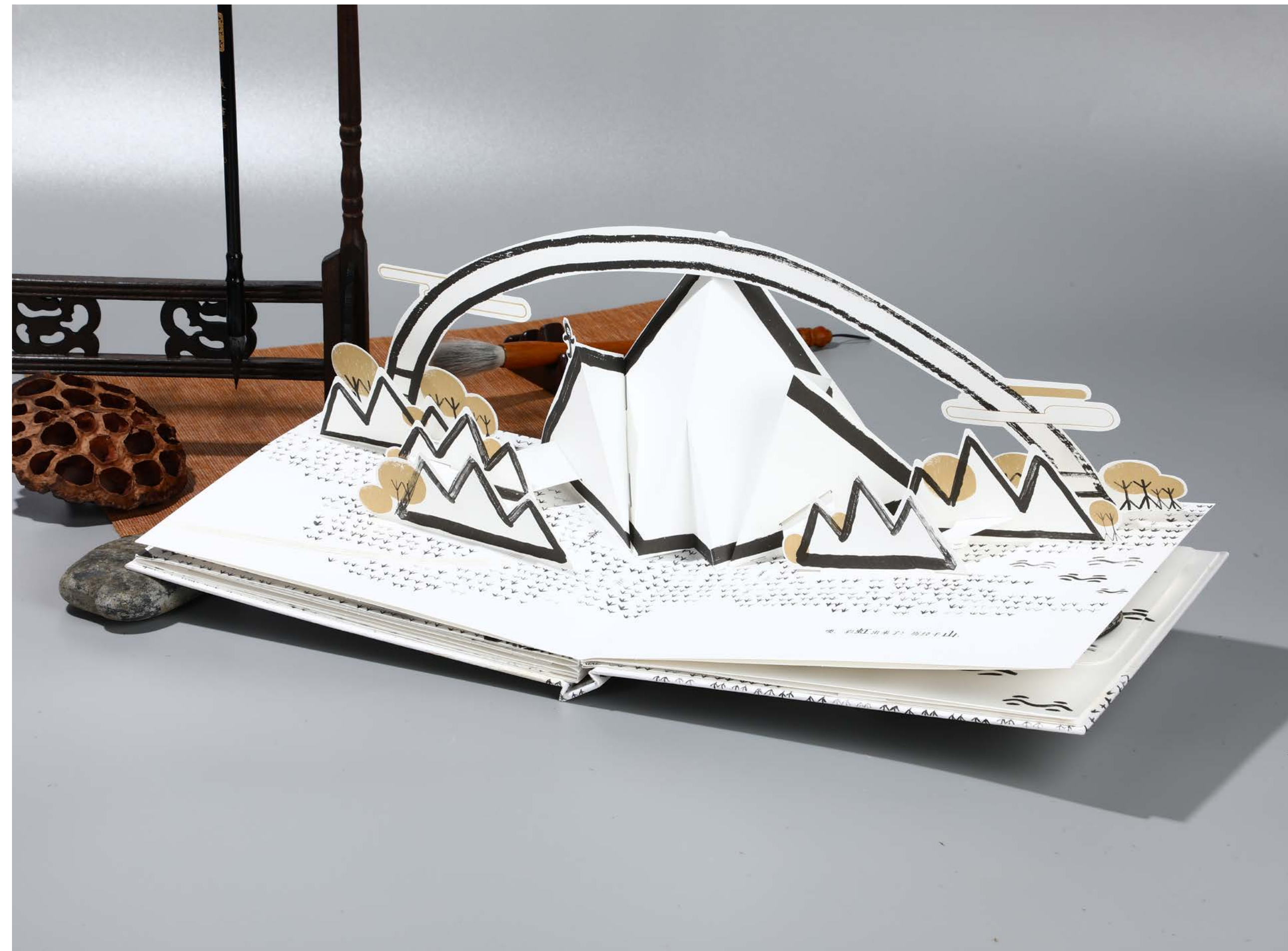
## 我和你

«You and Me»

*Ronshin Group's original title for the Chinese children market follows the journey of a kid through different landscapes in search for home.*

*There's a twist, though; the kid and every land he travels are drawn up using Chinese script.*

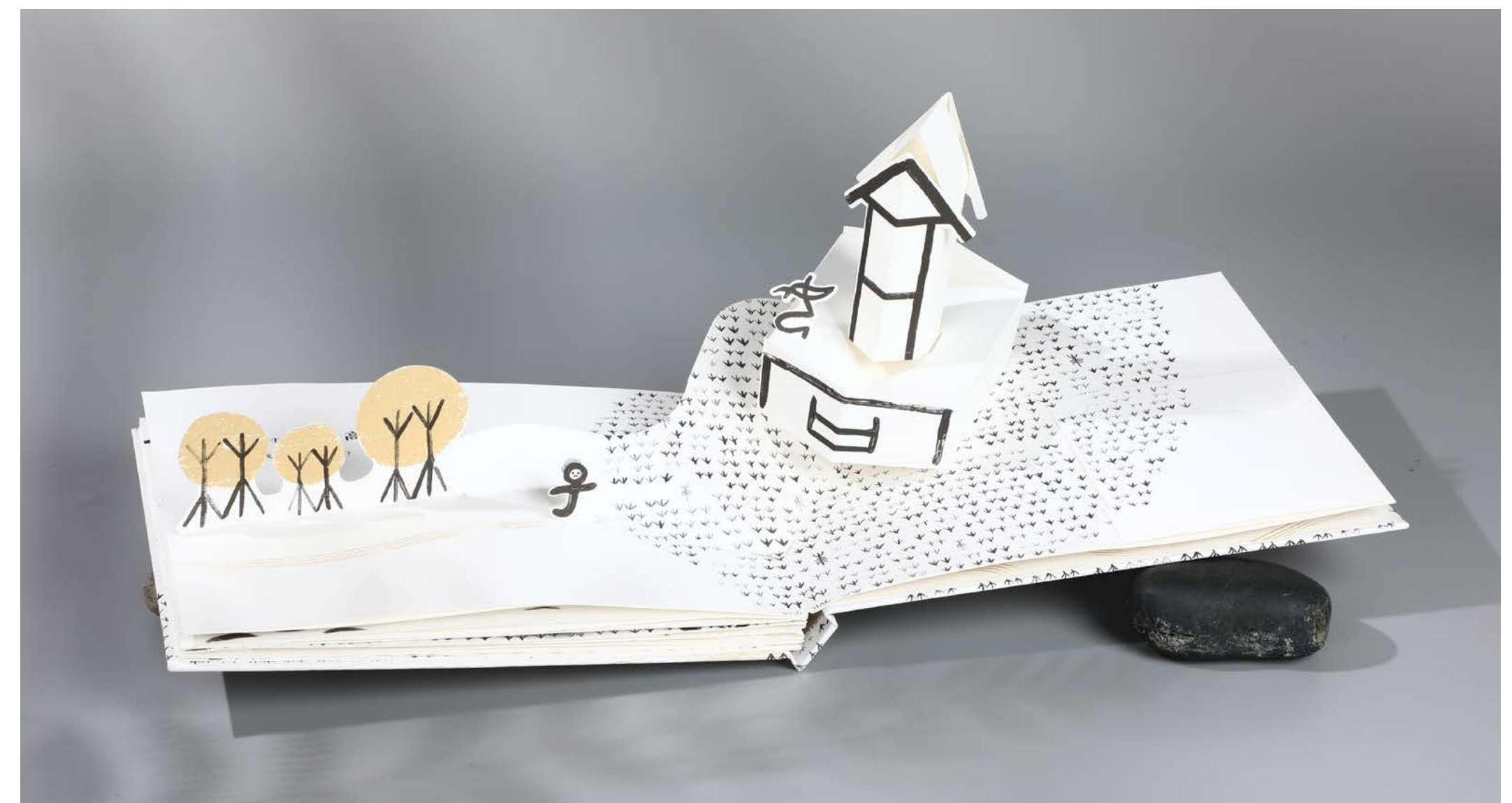
The minimalist illustration and the warm, grainy texture of the paper make for a delectable book.



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# Pop-up books



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# Thanks for reading!

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or follow my work at Twitter or Instagram ( [@minicarbonara](#) )