



Crystal Flowers in Halls of Mirrors:  
Mathematics Meets Art and Architecture

## **Team “Dos de Tres”**

**Faezeh Sadeghi**

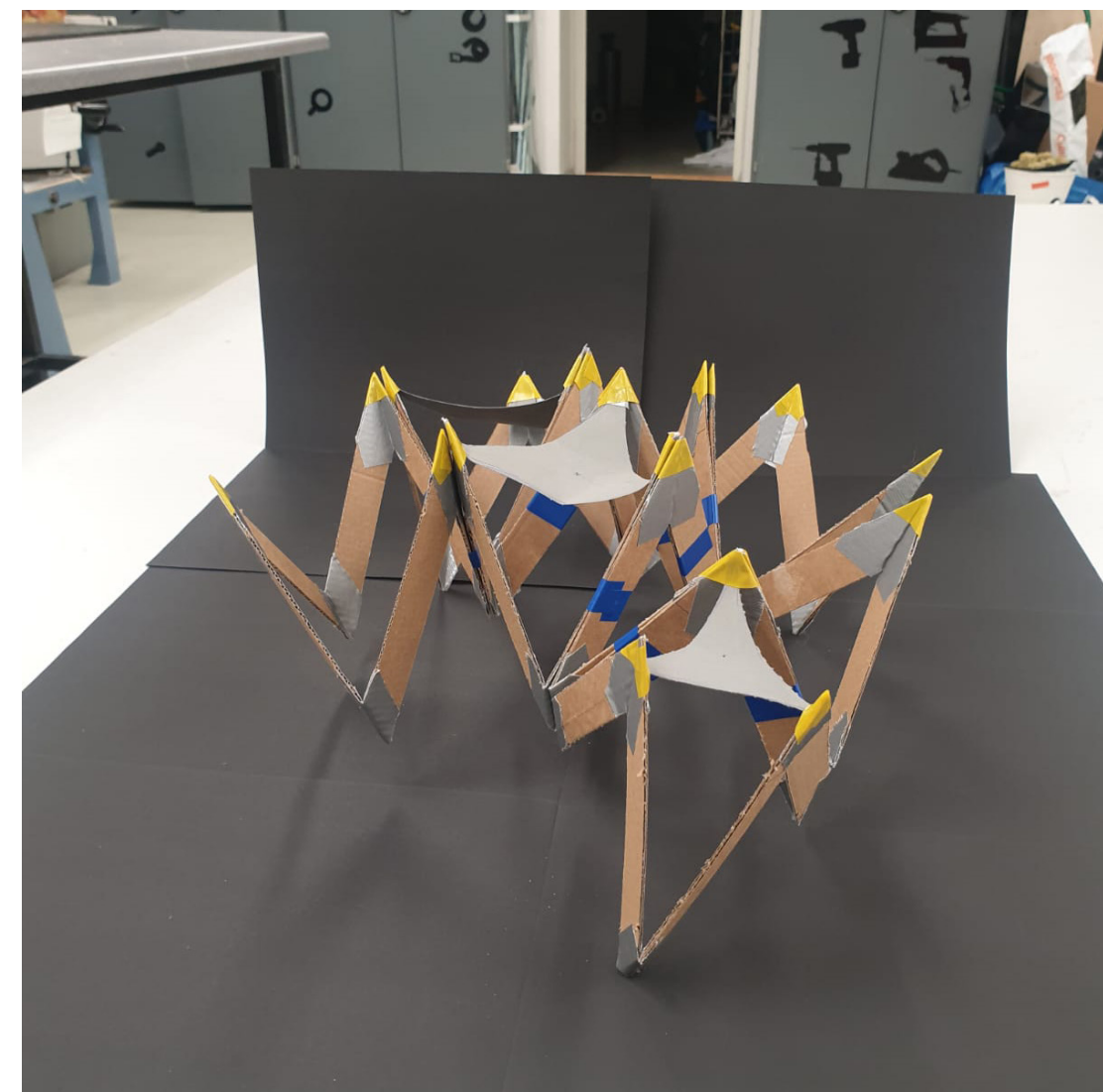
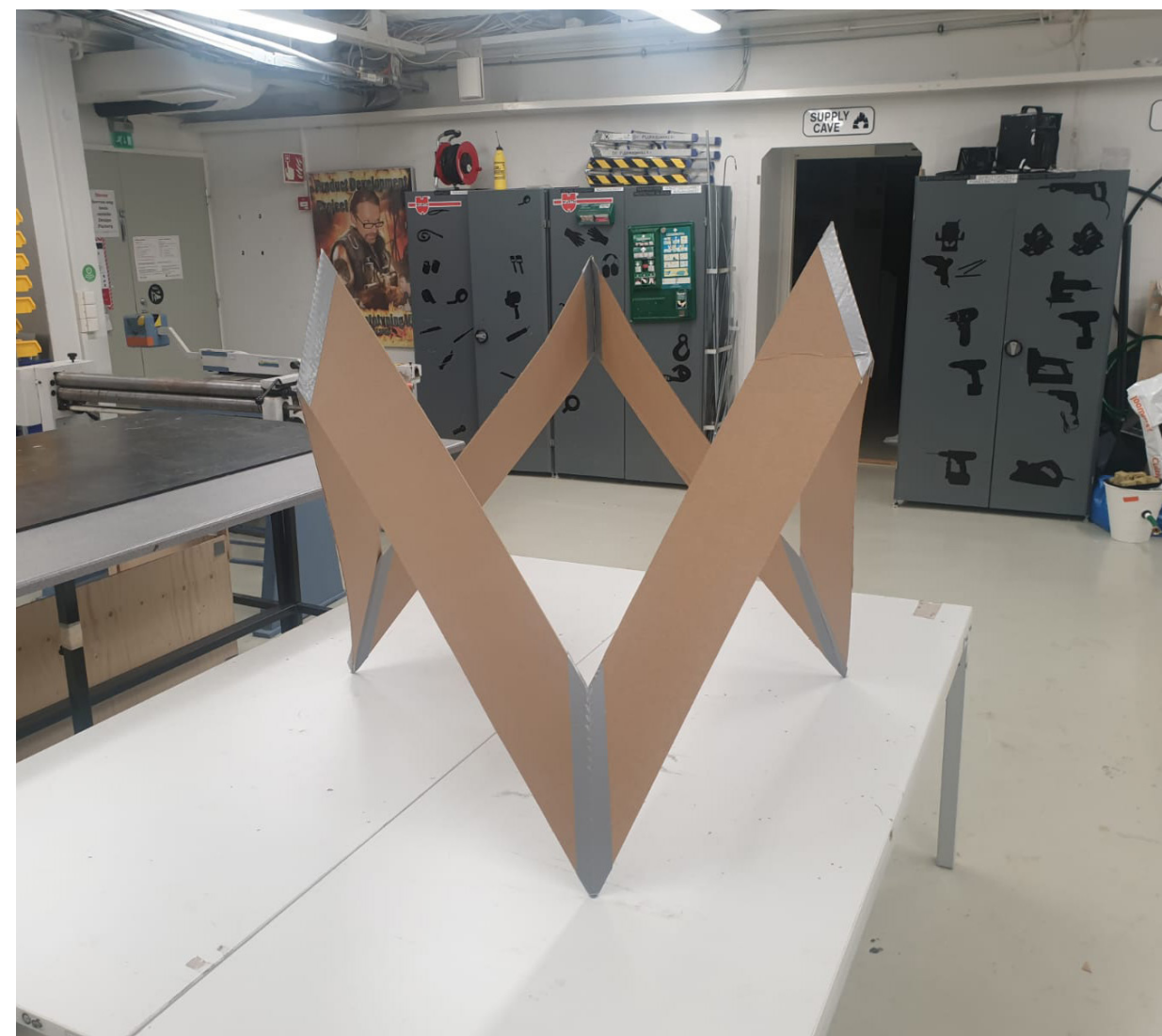
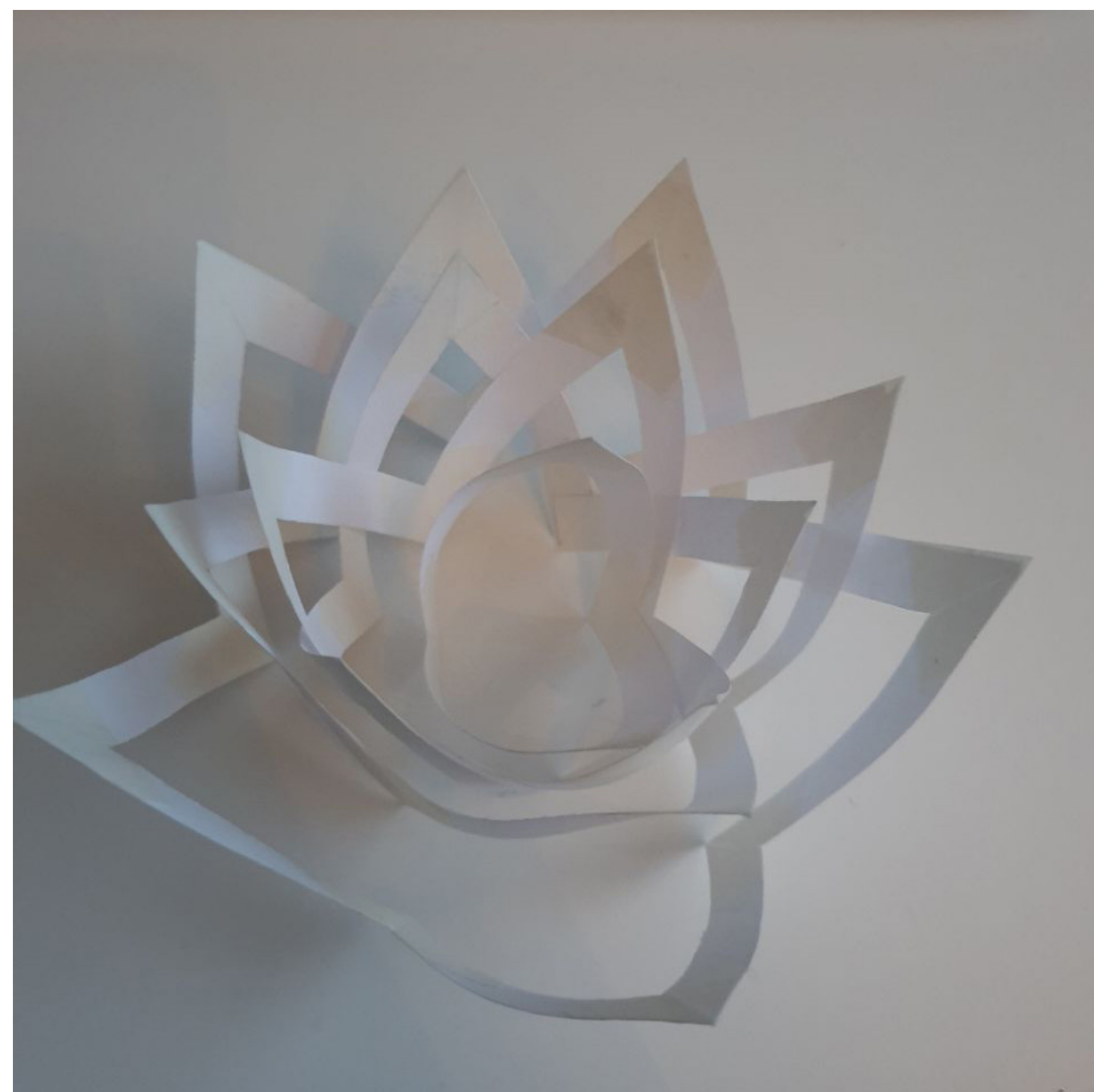
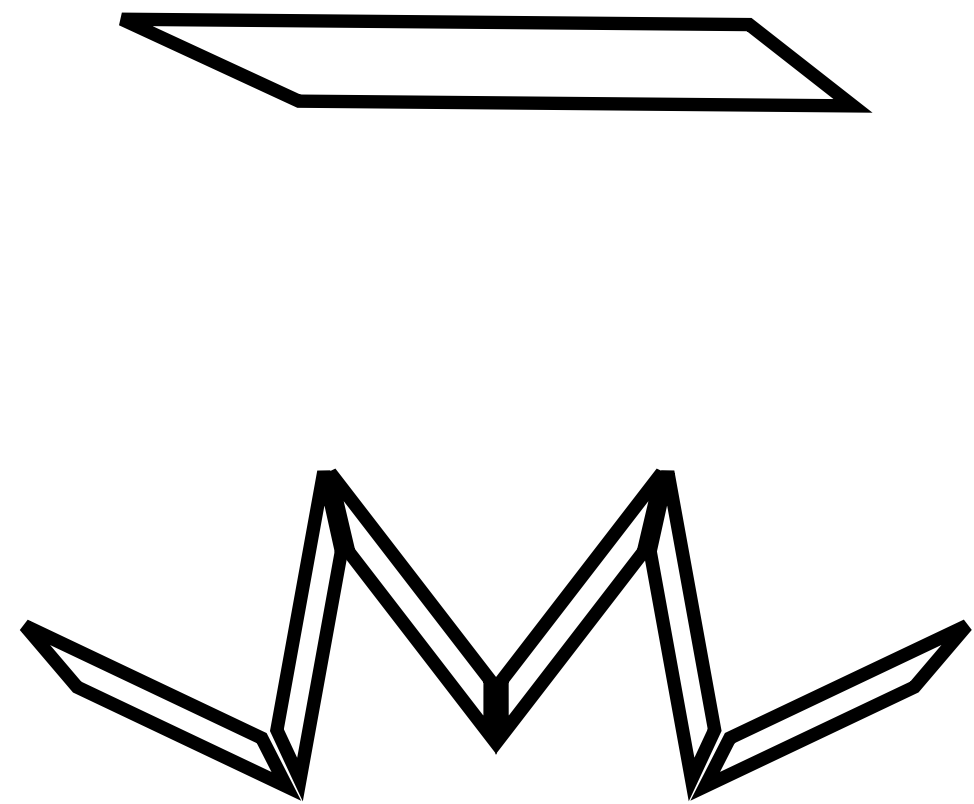
**Calvin Guillot**

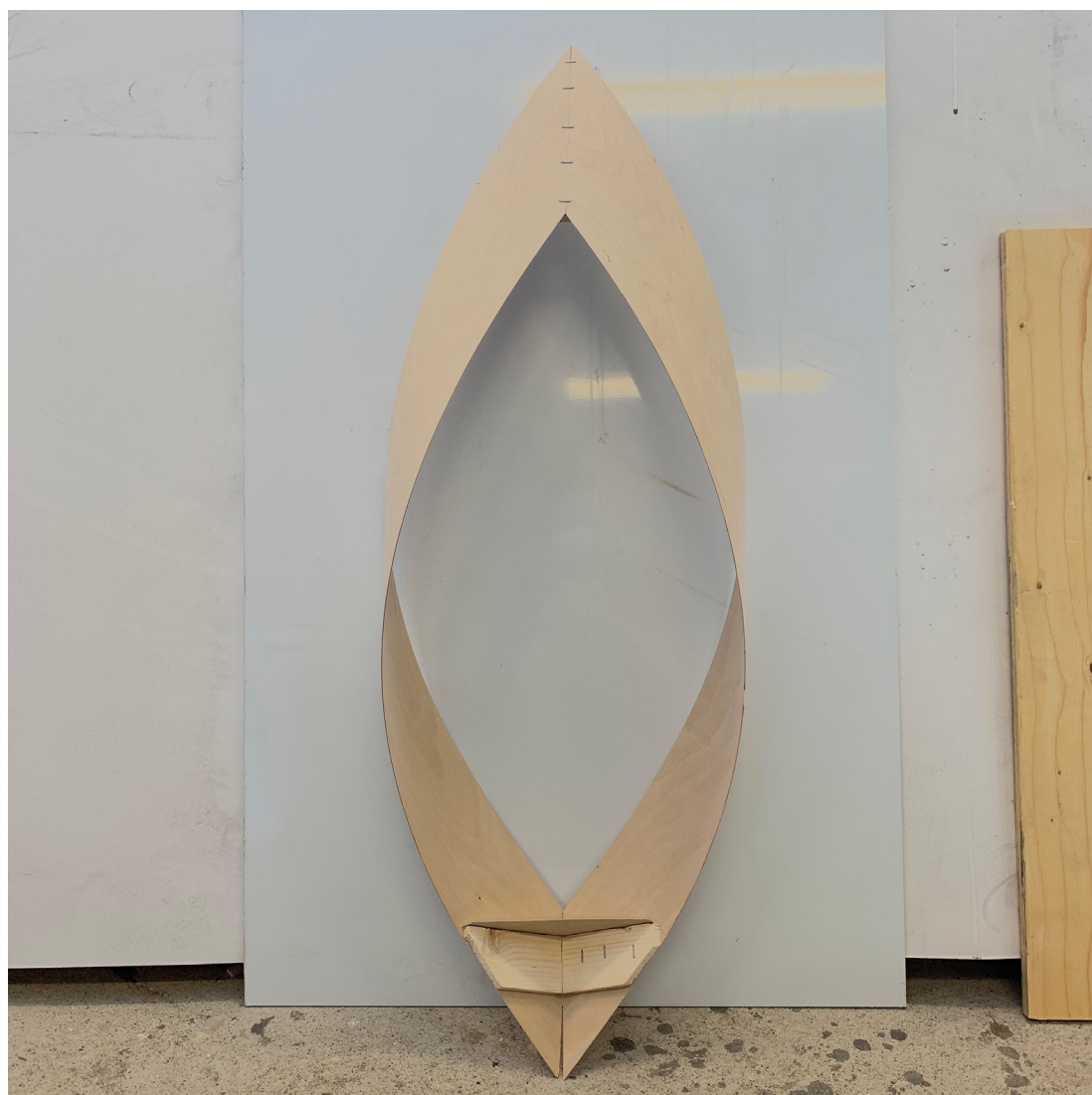
## Trillium

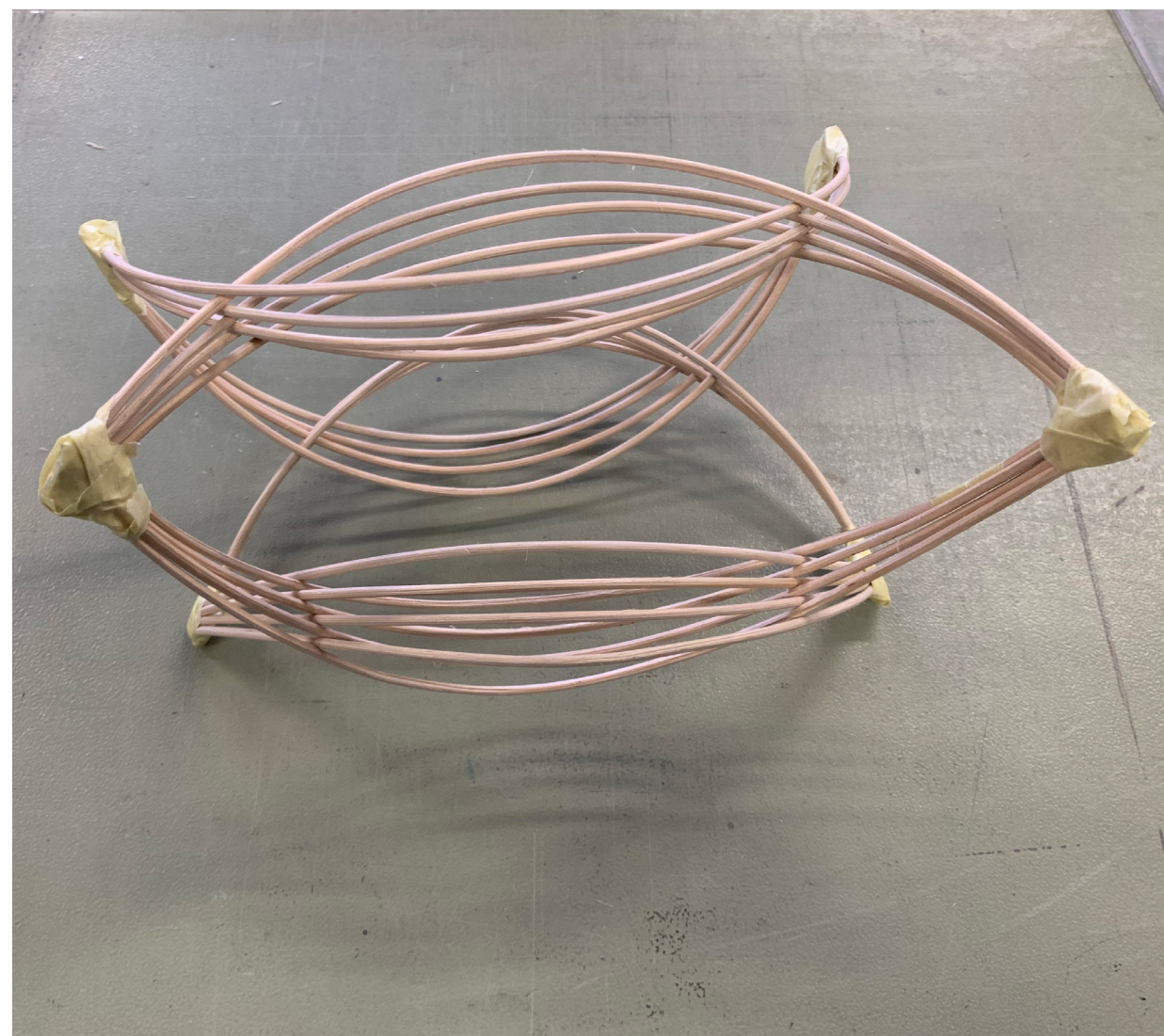
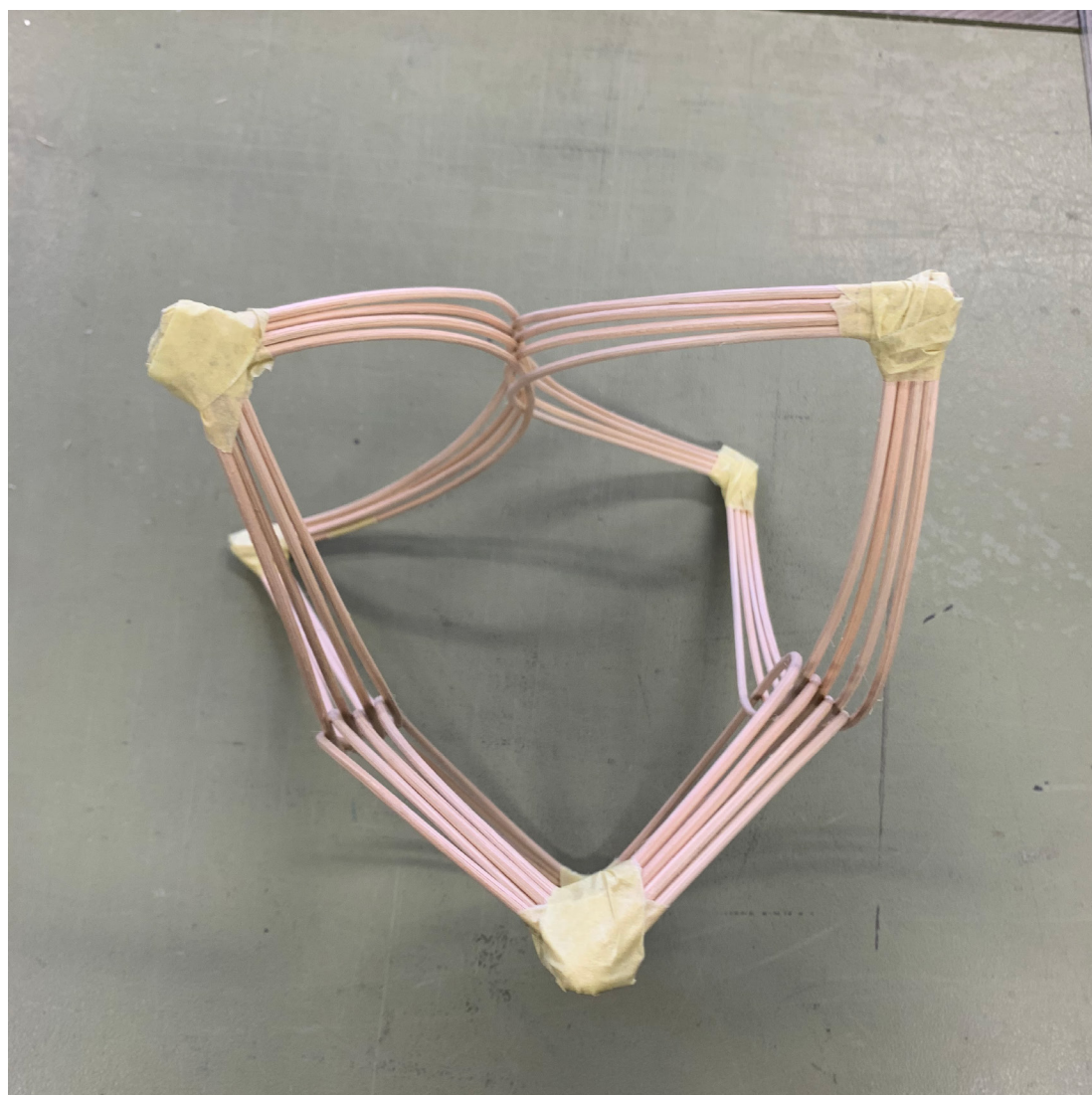
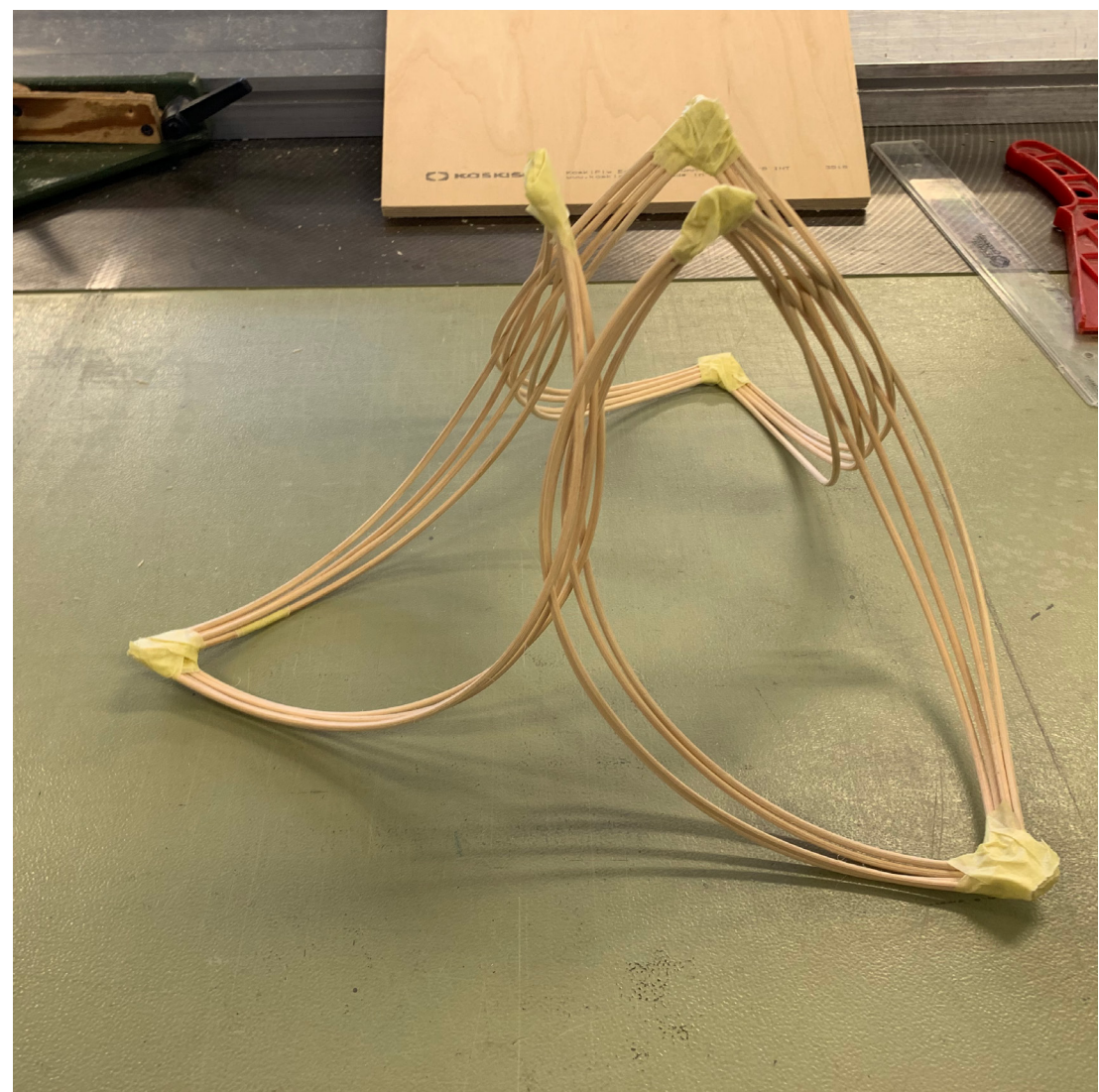
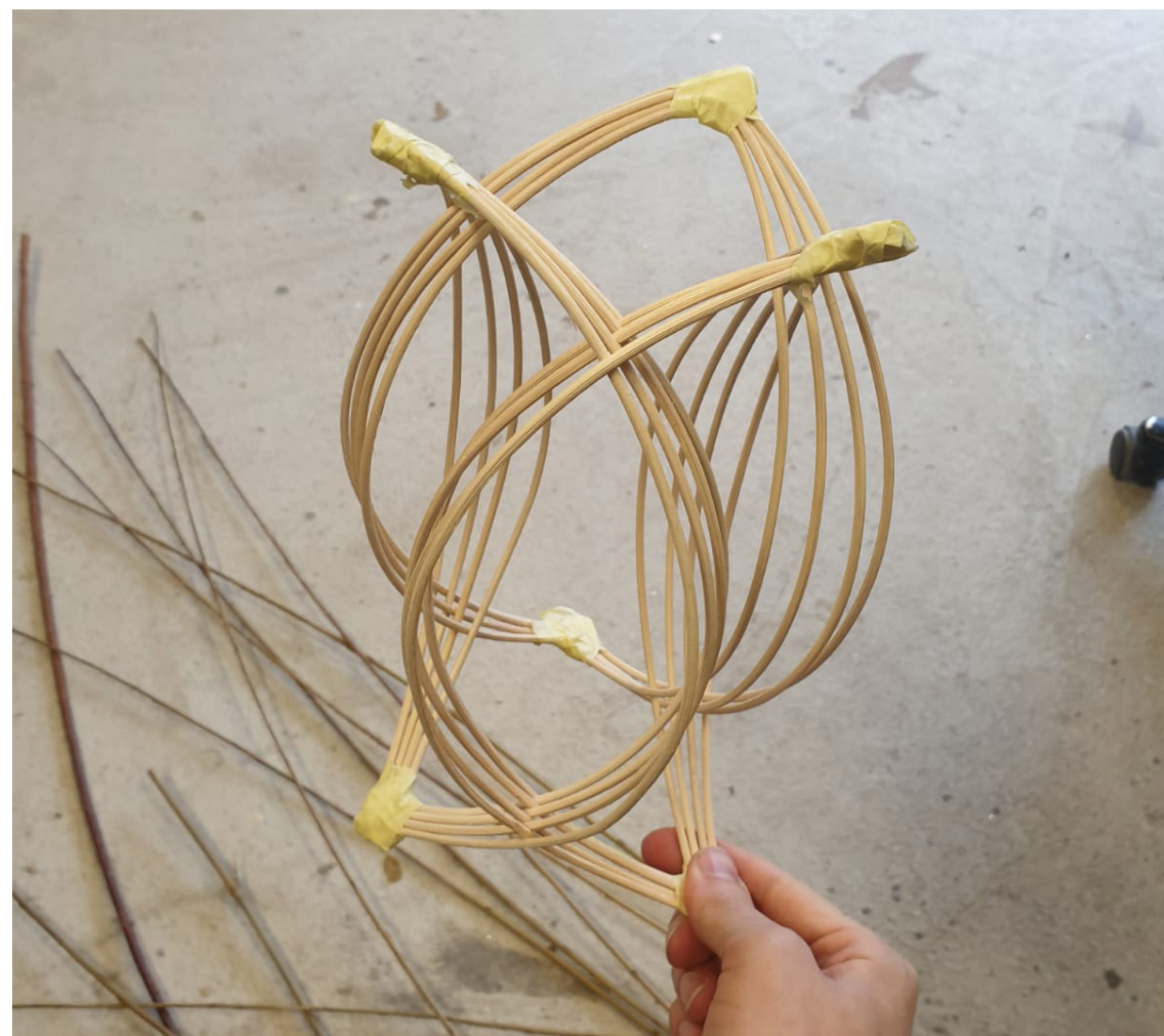
We all are in a continuous process of evolution and transformation. Our ideas, feelings, experiences, and emotions change over time, and even our interpretations of those changes.

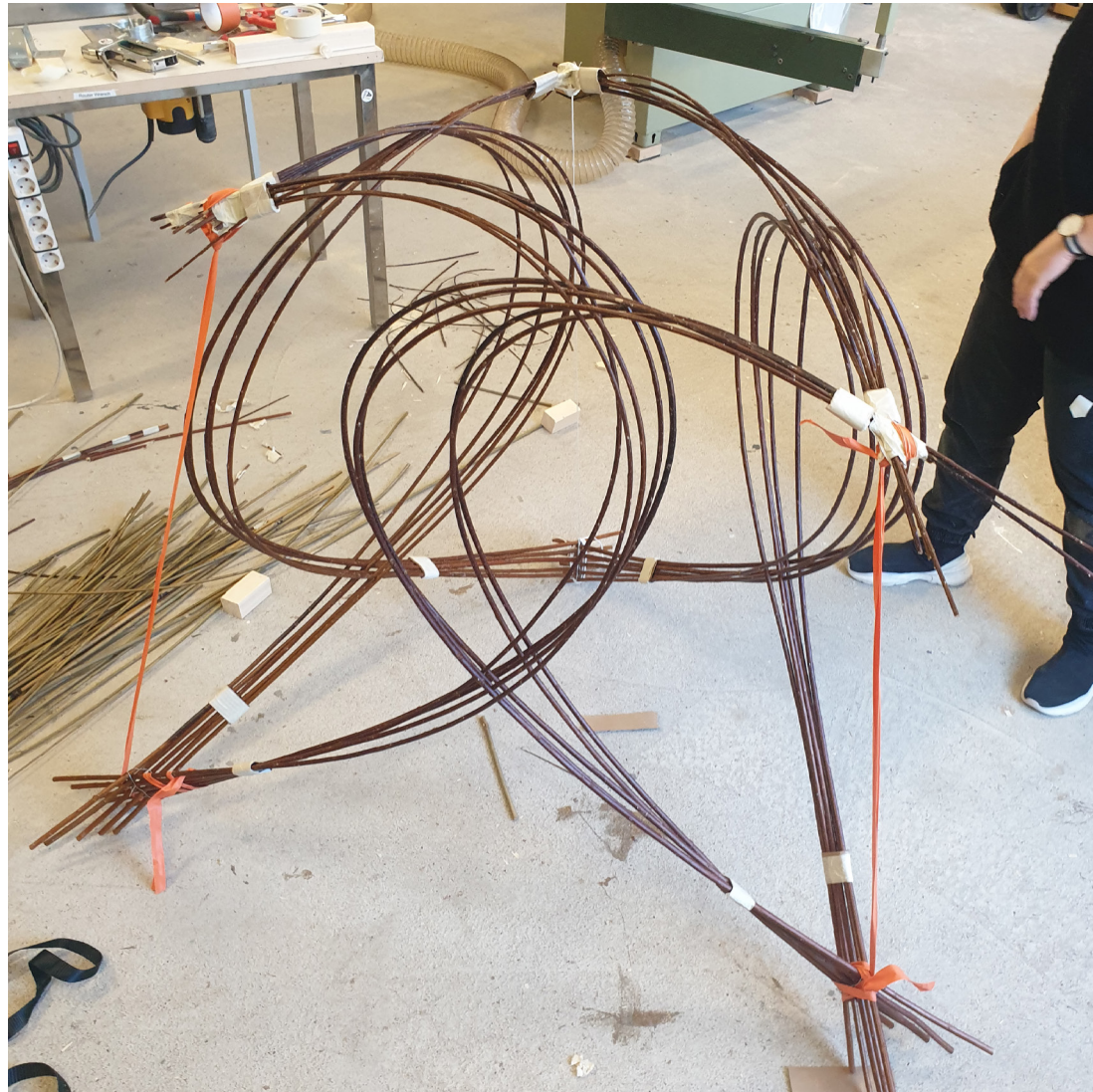
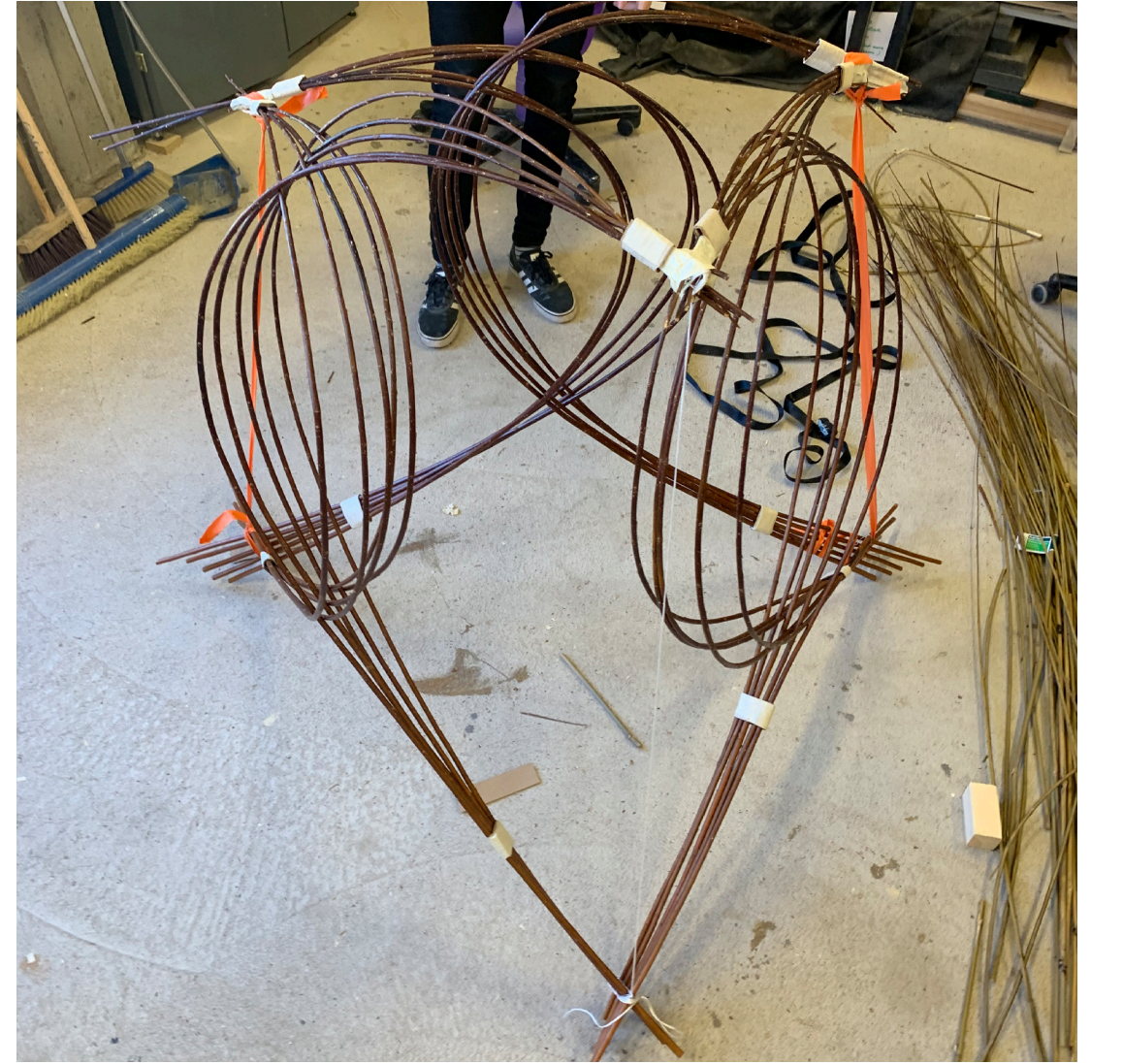
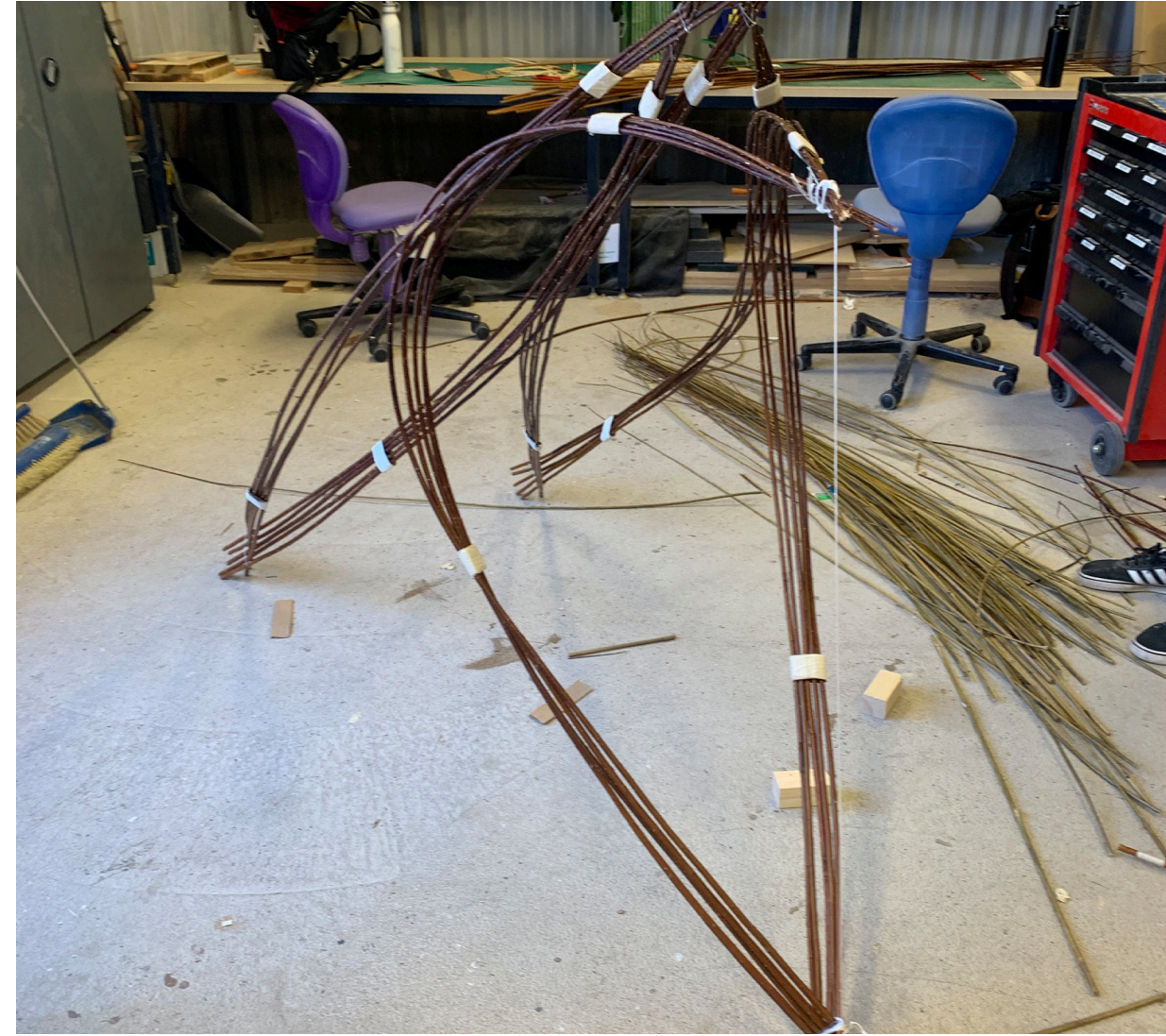
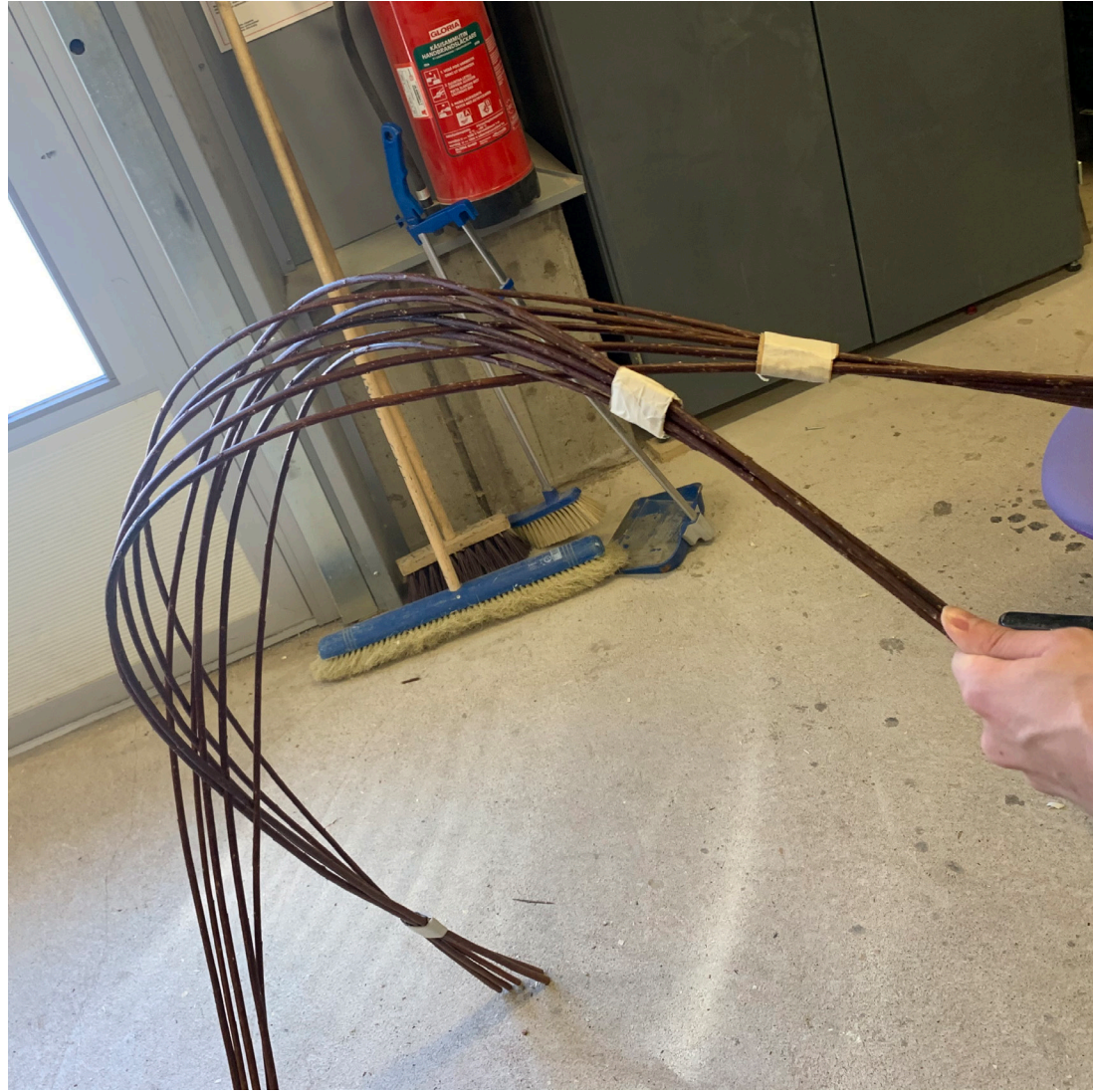
Going from one state to another evolving and mutating. From softness to hardness, from light to dark, open and close, artificial and organic.

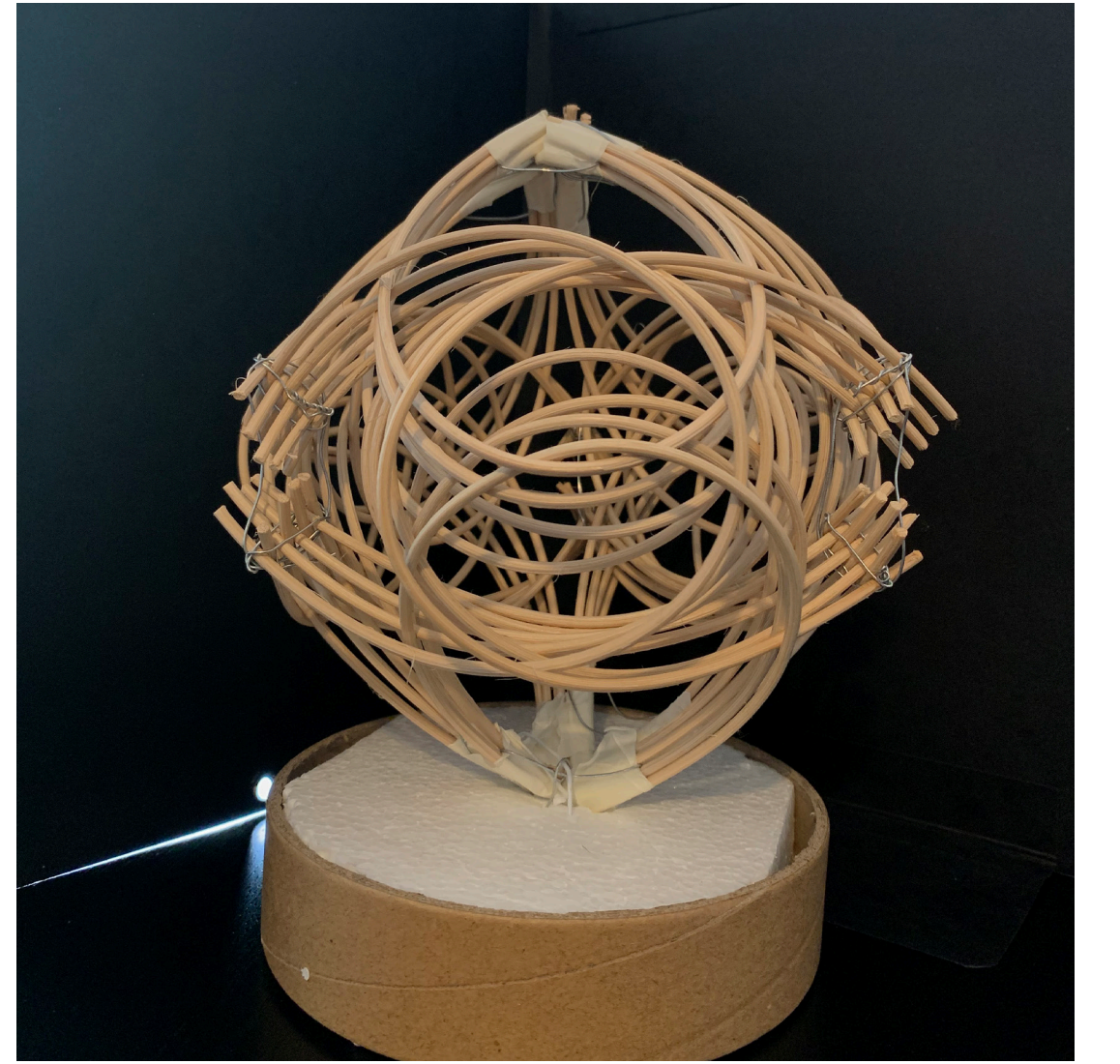
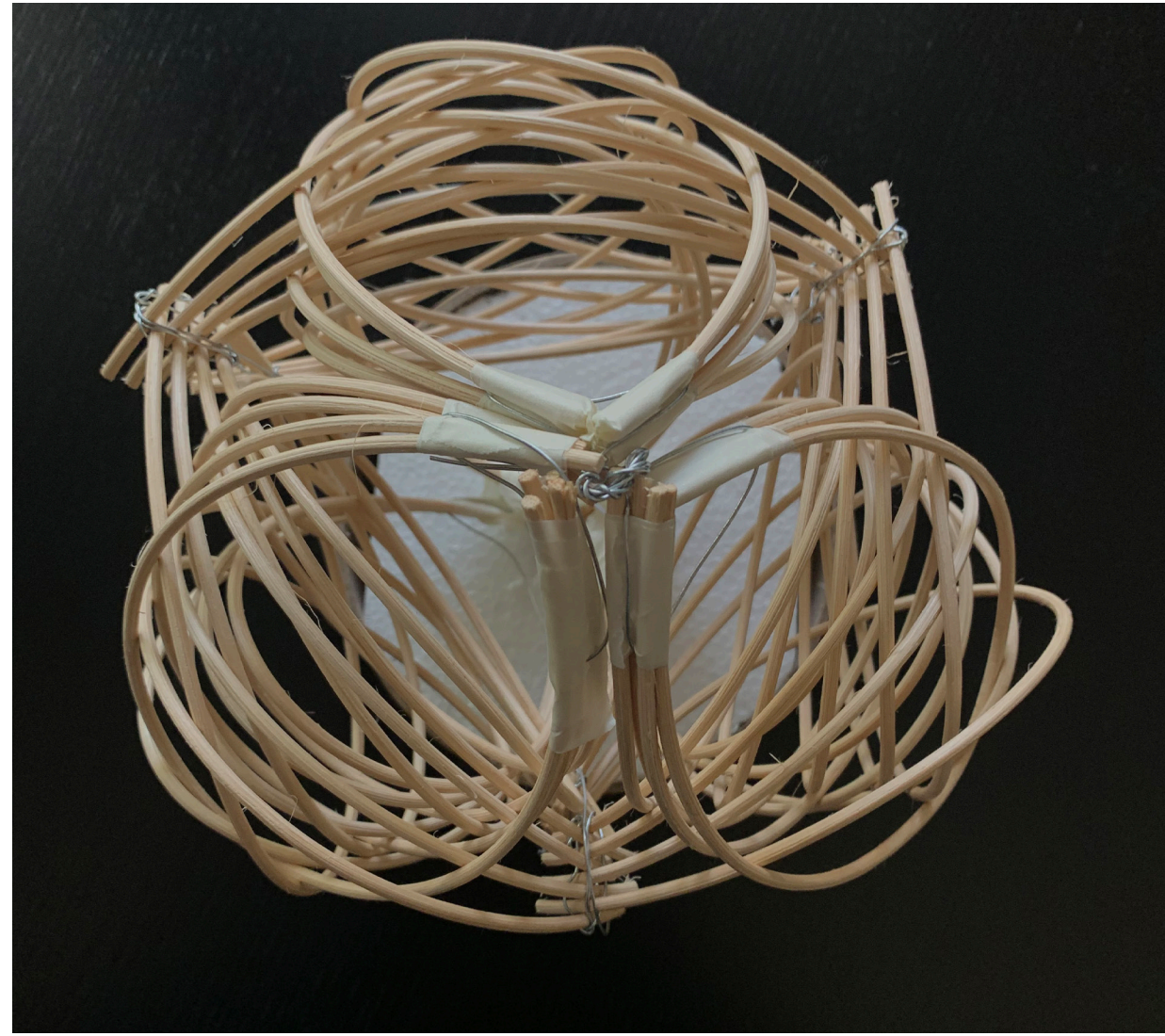
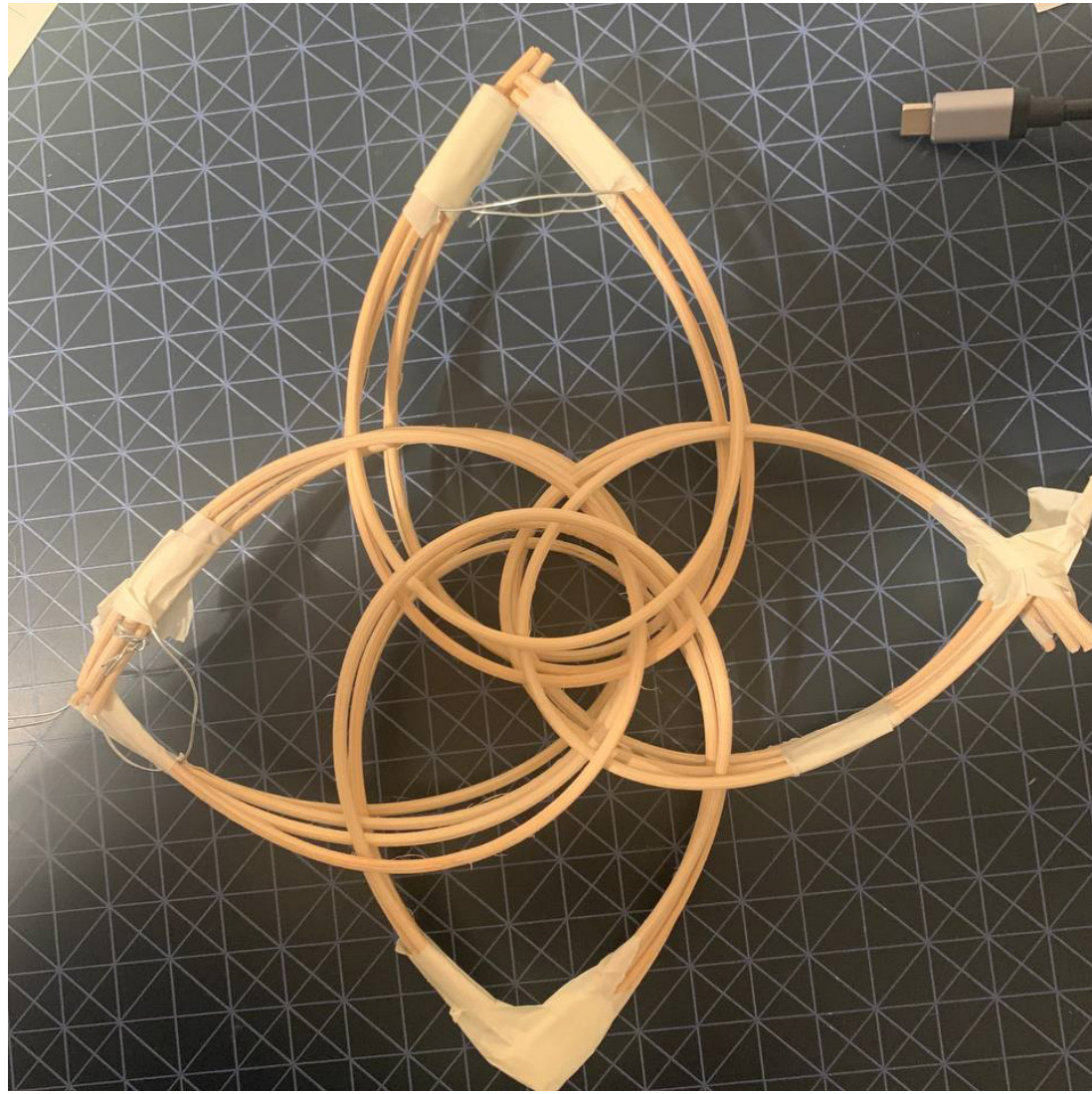
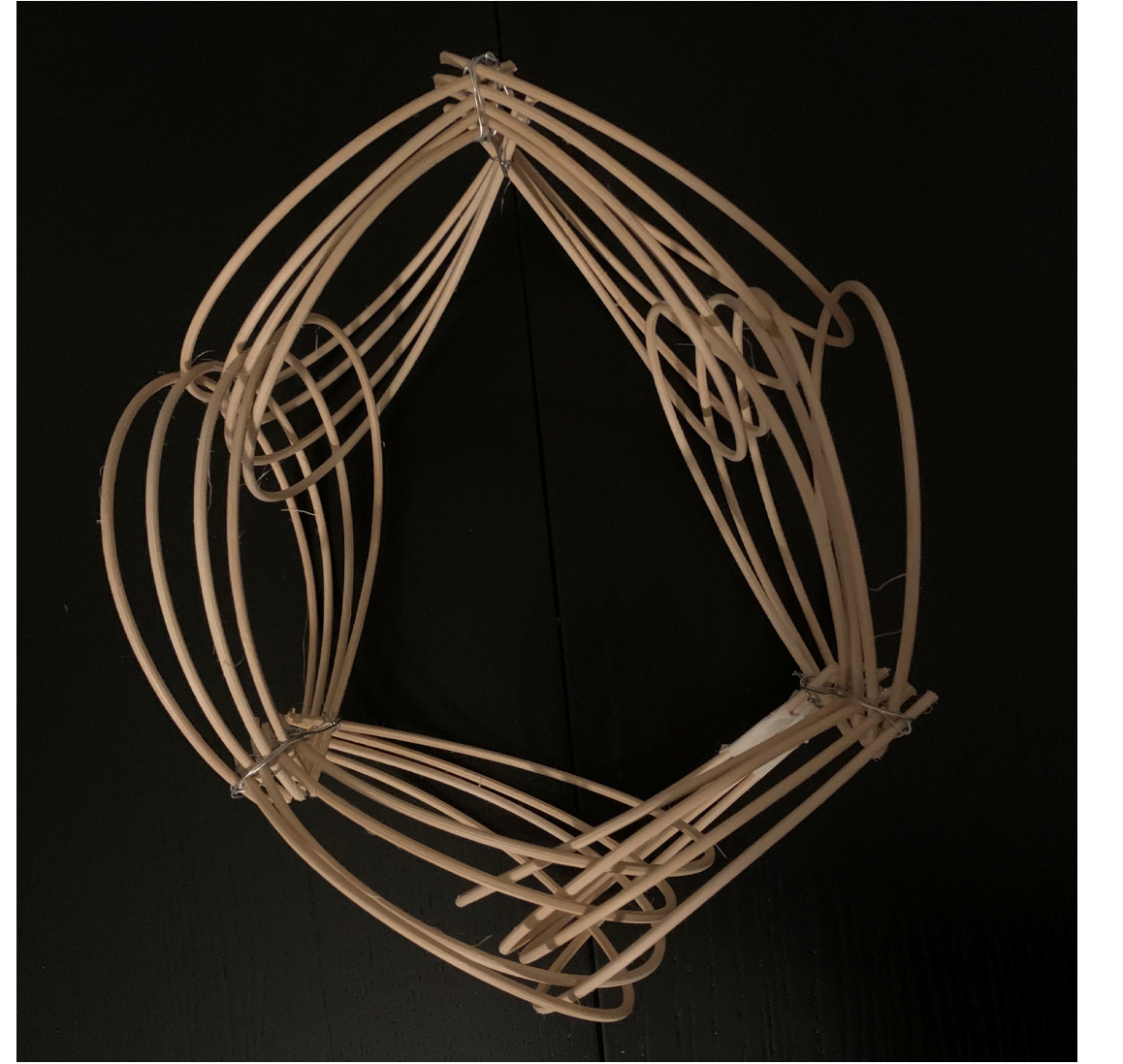
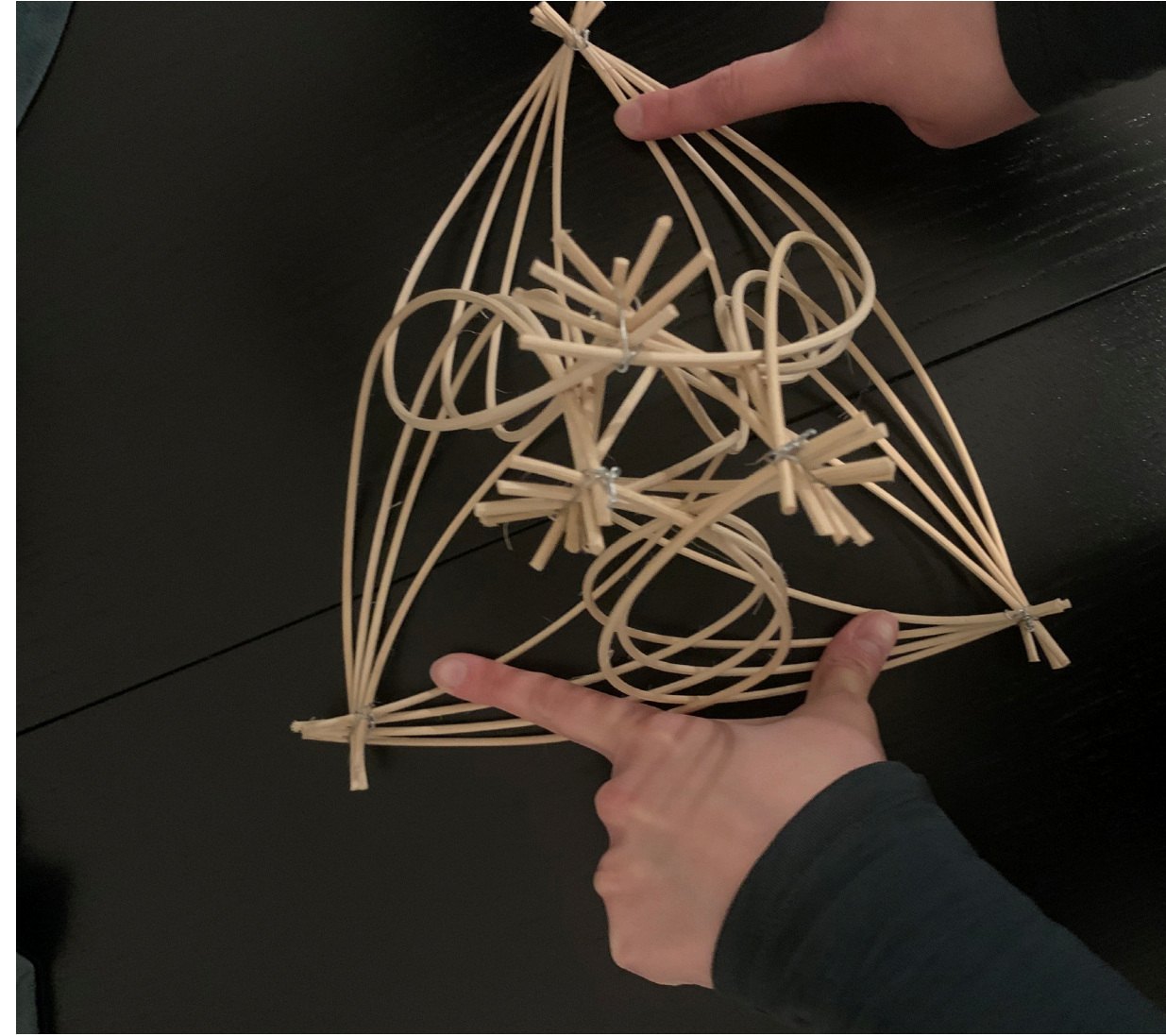
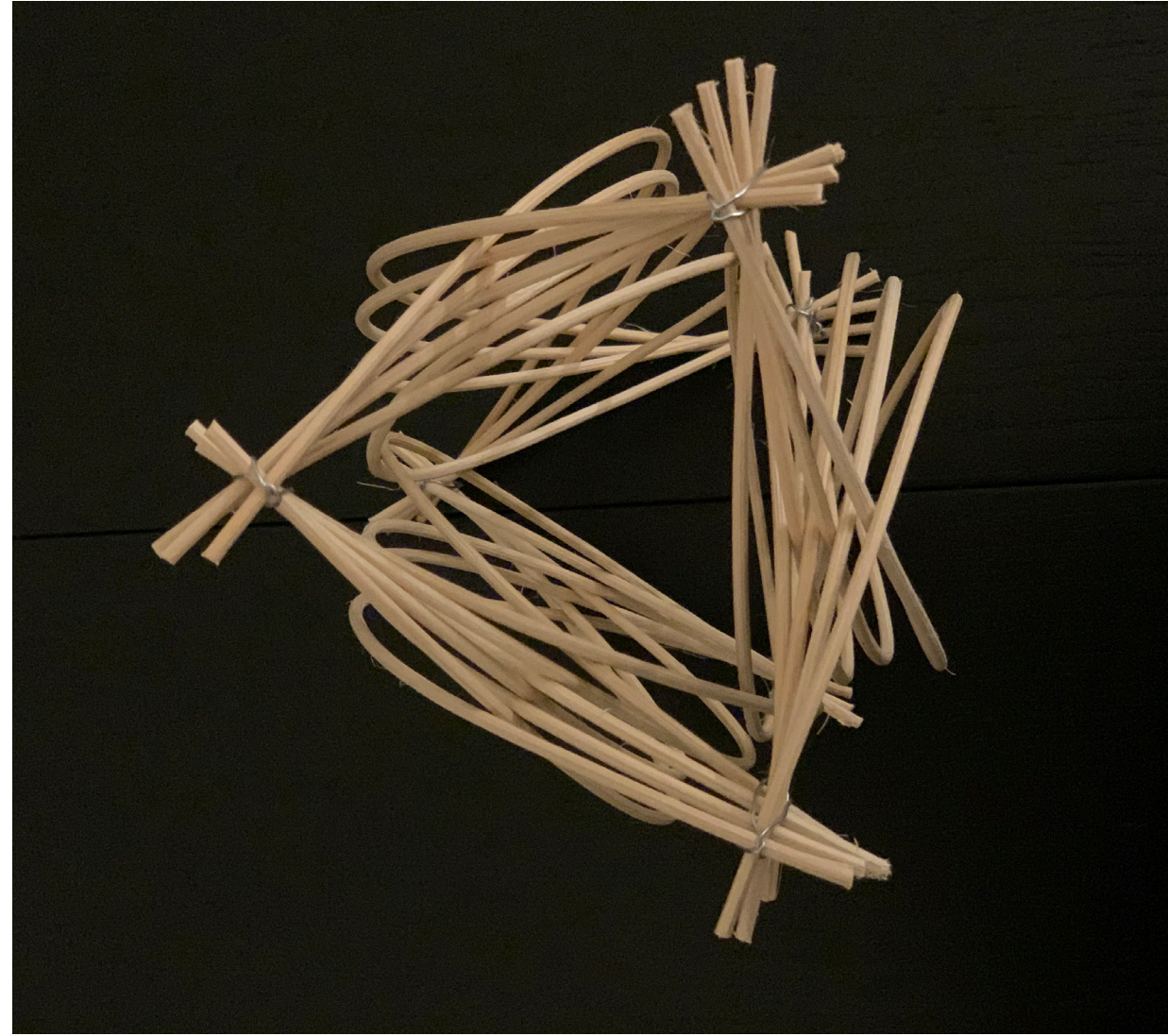
Trillium is an exploration of the concept of maturing. The piece is a reflection on the idea that the only constant is life is change.





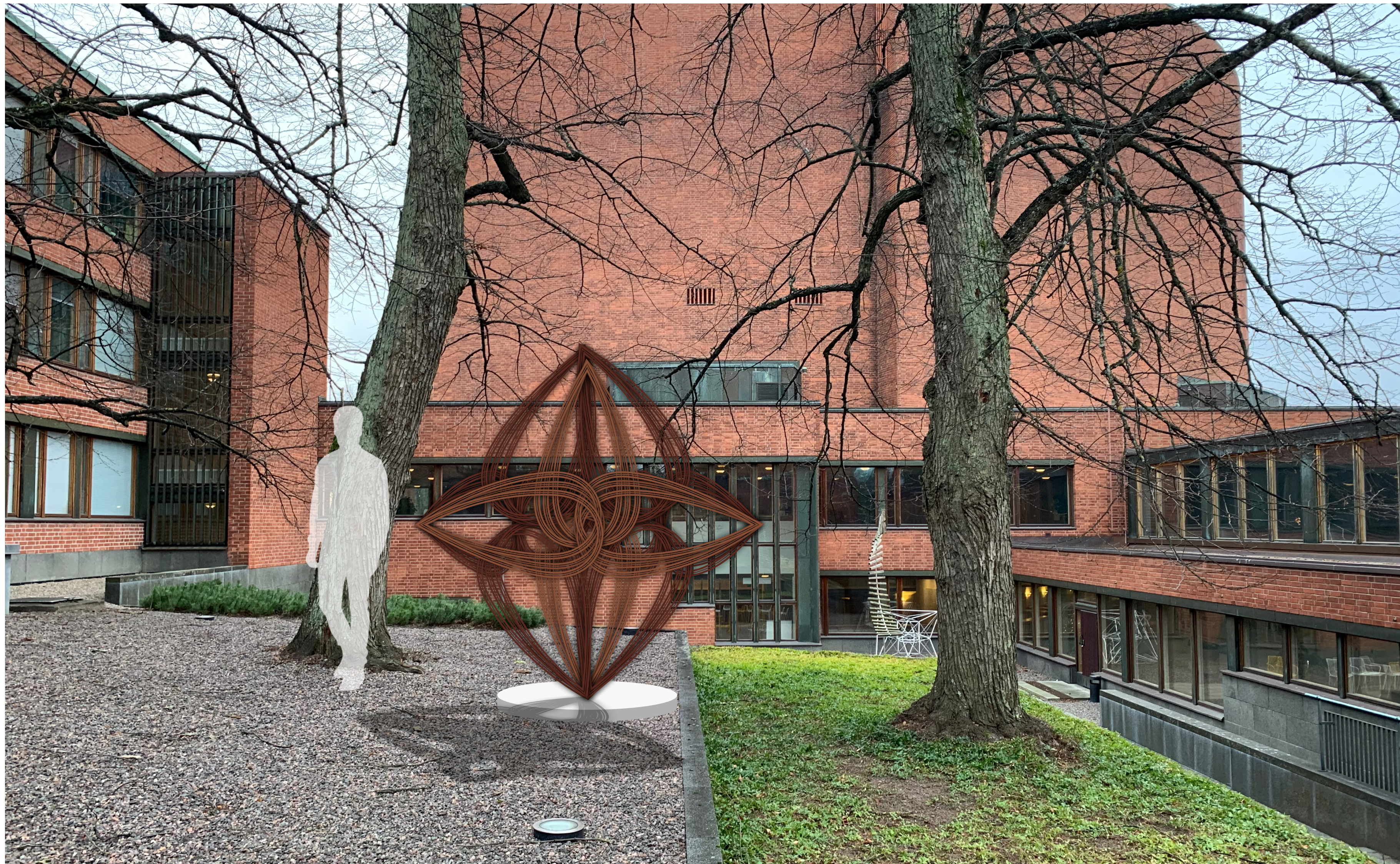










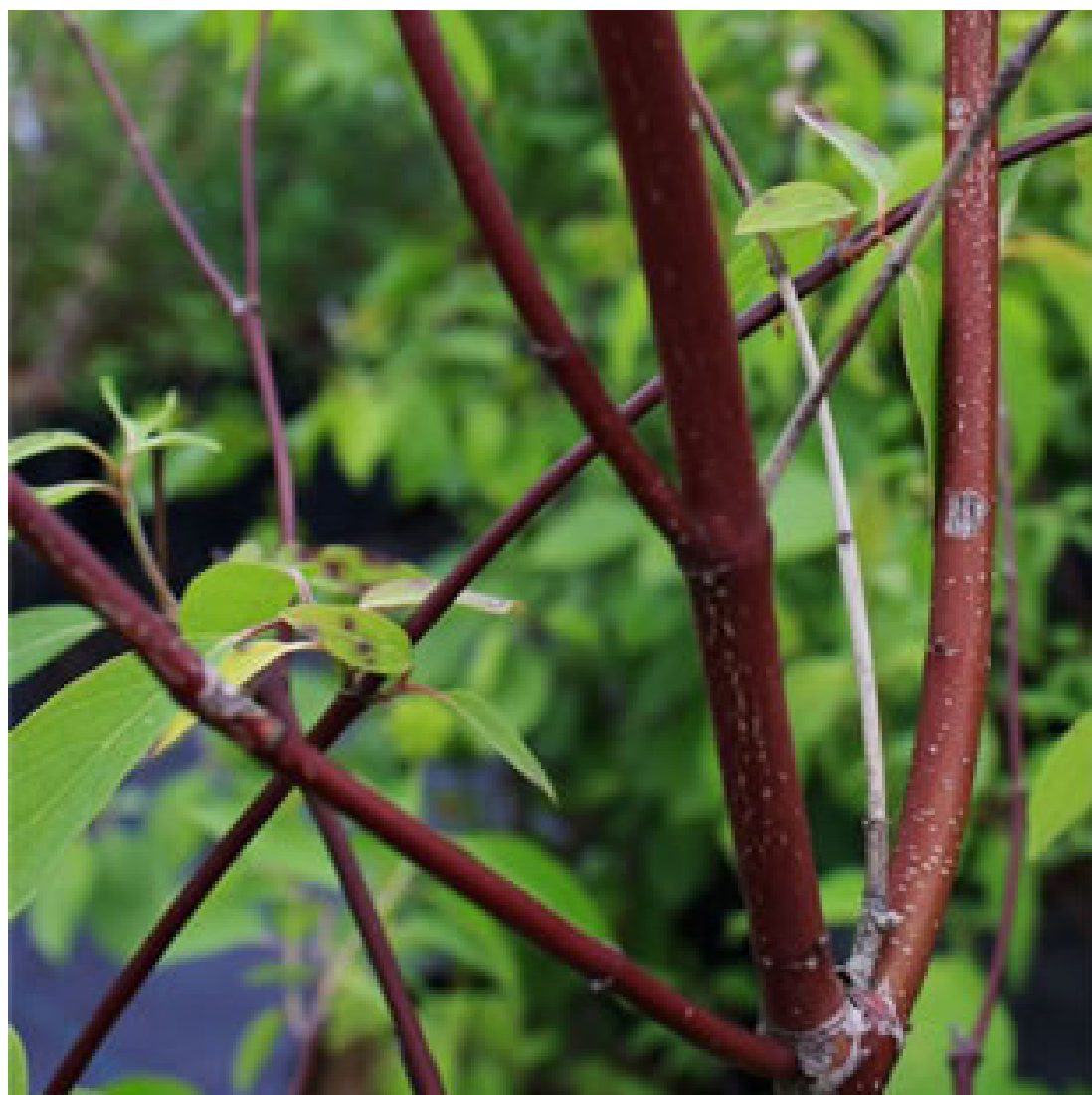


Trillium will be around 2 meters in height and around 1.5 meters in diameter.

It is made of 12 modules that interlock with each other. Each module has 12-15 willow sticks.

The joints are made out of metal (wood if necessary).





We chose to use mixed materials to bring more interest to the components. We decided to go with Siperianpaju or narrow-leaf willow (*Salix schwerinii*). This material has a nice finish, it is flexible and performs well outdoors.

For the joints metal or a harder type of wood will be used.

### Prototyping

Willow	33€ / 100 pieces
Wires	14€ / 50m
Reeds	Free
Rattan	11€ / 20m
Bamboo	4€ / 15 pieces
<b>TOTAL</b>	<b>62€</b>

### Production

Willow	100€ / 250 pieces
Wood Joint	50€
Metal Joint	50€
Unexpecte Costs	100€
<b>TOTAL</b>	<b>300€</b>

We enjoyed the experiments with so many different materials. We also did plenty of prototypes and get to know the materials. Communication has been the key to be able to work so efficiently. However, sometimes having so many ideas impacted our schedule, but we think that at the end of the day was worth it to go through the transformative process.



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**Thank you.**