

# Pedagogy Portfolio



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## Training and Facilitation

2020 - 2023

As a team member in the Crown Prince Foundation's fabrication laboratory, TechWorks, one of my tasks was conducting trainings and facilitating workshops in the fields of **product design, digital fabrication, and design thinking**.

One of the **TOT programs** I delivered was directed to train selected refugees from **Zaatari Refugee Camp**. The goal was **to prepare them to run a makerspace** led by the United Nations High Commissioner for Refugees (UNHCR). The mission of this makerspace is to educate the camp's inhabitants and help create products that would be valuable for their everyday needs.



I also conducted specialized classes like the **Design for Prototyping** class as part of the Physical Product Design Fellowship by Goethe Institute. We discussed different types of prototypes and their importance. Then, I introduced the digital fabrication machines, emphasizing the design considerations to use them, and gave the fellowship students **mentorship to prototype their projects**.





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## Fab Academy

2020 - 2023

I received my Fab Academy diploma in 2019 after **six months of intensive hands-on training** in 3D modeling, programming, molding and casting, and digital fabrication. By the end of the program, we were tasked with prototyping a high-fidelity final project utilizing the digital fabrication machines and tools at the fab lab. Eventually, my final project became featured on the Fab Academy Facebook page (link).

After that, as a Fab Academy graduate and working in a fabrication lab, **I supervised the following years' Fab Academy students at our fab lab** in their learning journey. I assisted and advised four patches of students at TechWorks, especially through the Computer-Aided Design week, their final projects, and how to bring their designs to reality.



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## Naqsh Science

2017 - 2023



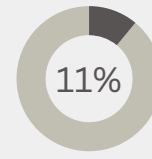
Naqsh Science is an initiative that aims to make science more engaging and accessible for kids. My colleagues and I shared a passion for science and education and wanted to ignite kids' curiosity and interest in science. That's why we co-founded Naqsh Science in 2017.





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## Naqsh Science Shows





of Jordan's population  
are 10-14 year-olds



Our goal was to create Arabic content for children **ages 10-14**, as research shows that this is the age when kids start to **lose interest in pursuing STEM careers**. We decided to start popularizing the idea of fun science, through a **series of science shows and online videos** that featured more than 40 experiments across STEM fields. We delivered over 10 stage shows across Jordan.

My primary role was designing content and leading the engineering team in building the props and experiments we presented.

 [First Show | Teaser](#)

 [First Show | Bits](#)

