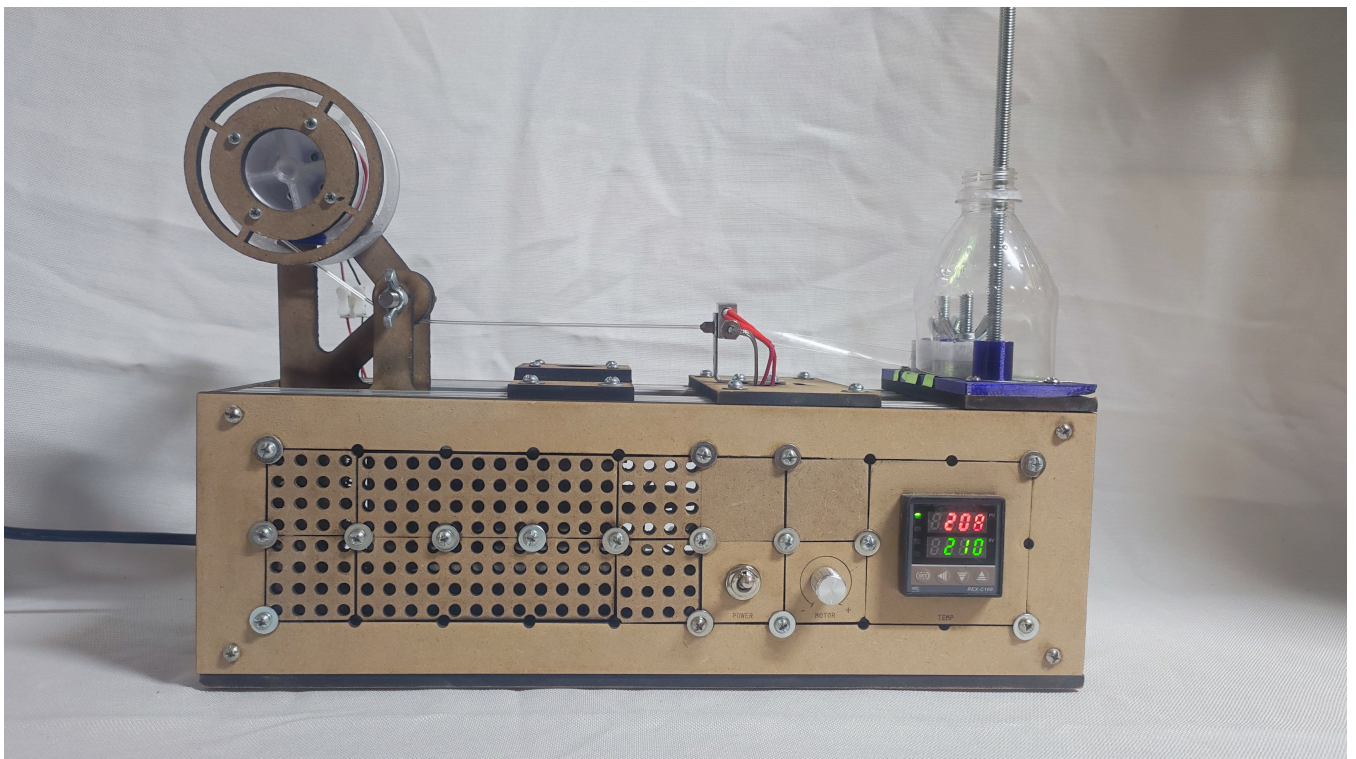
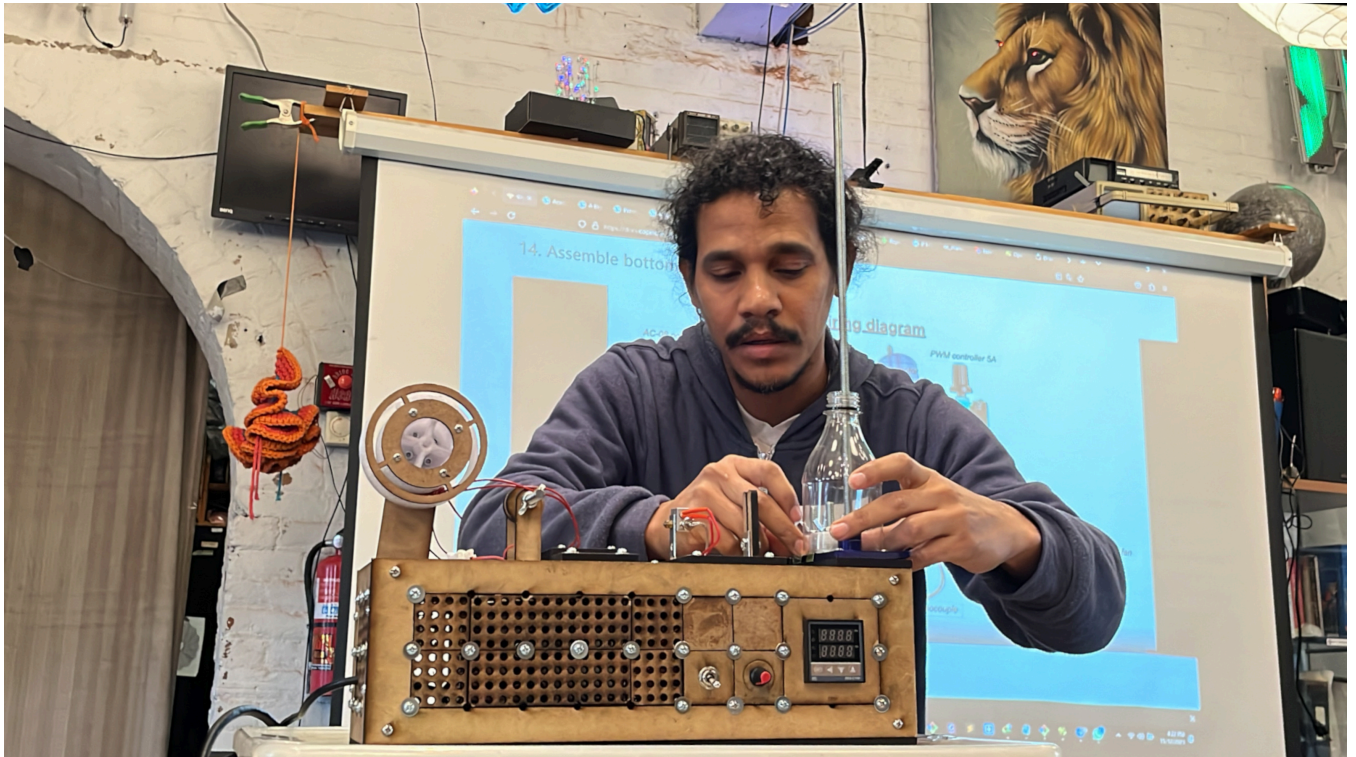
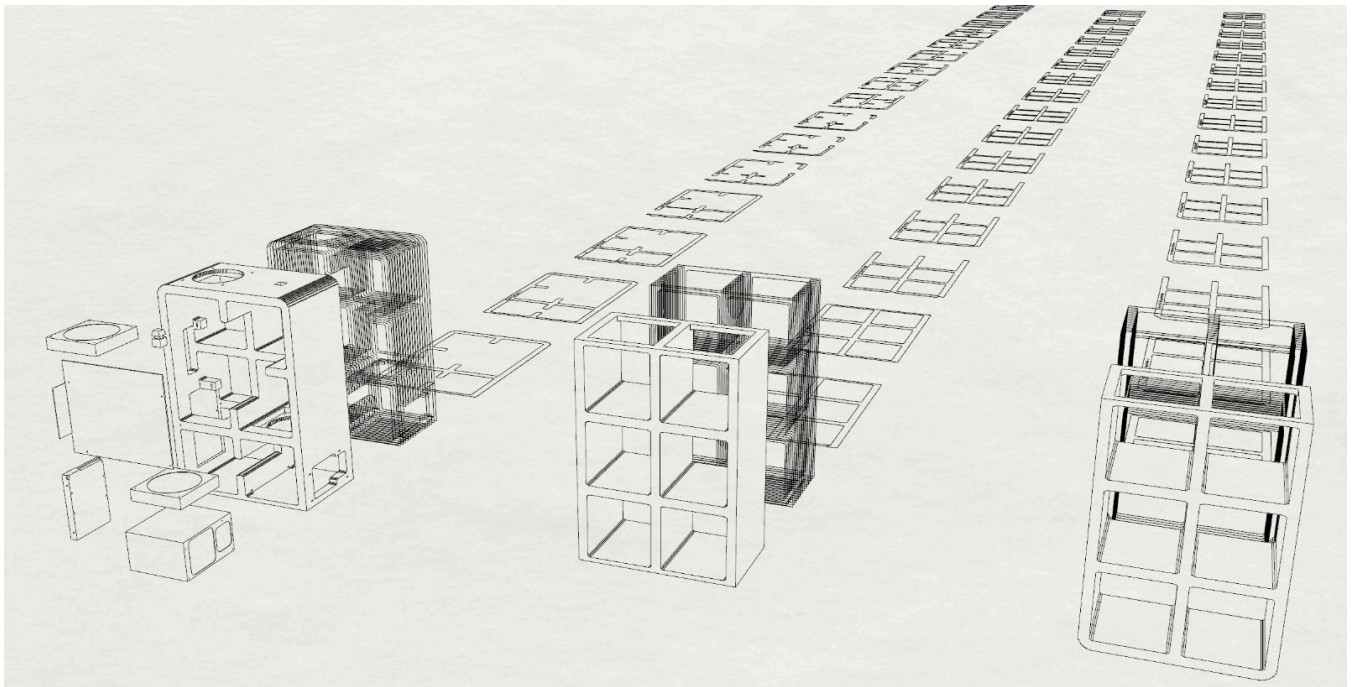


I am Maurice Haedo Sanabria, an industrial designer originally from Havana, where I founded Cuba's first hackerspace, Copincha. After moving to New York City in 2023, I found in NYC Resistor and its Open Craft Nights a community of makers committed not only to using and developing creative technologies but also to community empowerment. Resistor's ethos - "learn, share, and make things" - is aligned with my own focus on democratizing access to technology through recycling, repair, and the use of open-source tools. Through Resistor's classes and workshops, I've learned to use the space's laser cutter, 3D printers, and woodworking equipment. And through collaborations and casual interactions with other members, I've also improved my 3D modeling skills and electronic repair techniques.

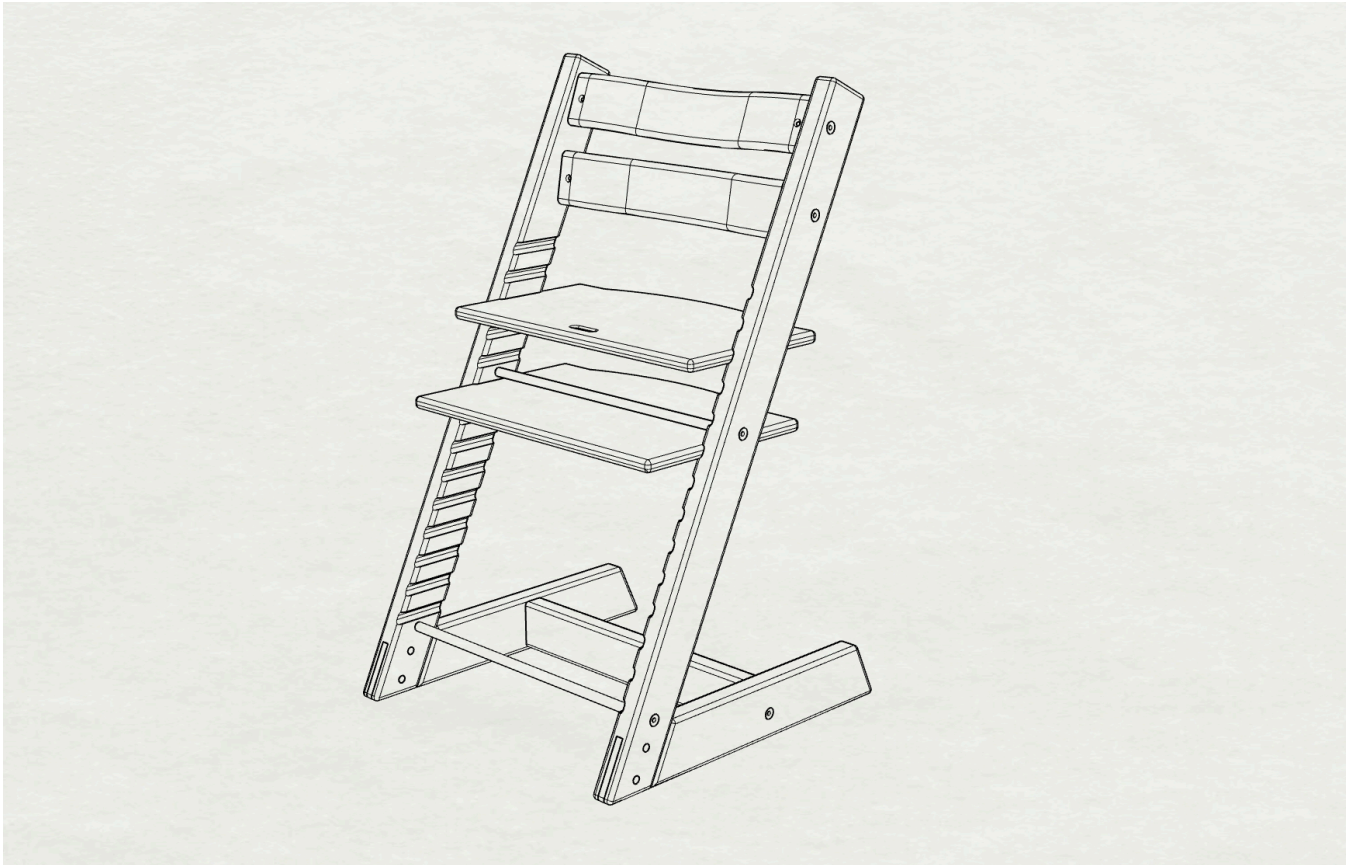


Before joining Resistor as a member earlier this year, I was an artist in residence, which gave me the opportunity to develop an extrusion machine which converts PET plastic bottles that would otherwise be thrown out into 3D printing filament. In November 2023, I led a workshop about this device and the open-source process of making it. I presented the extruder at the 2023 Coney Island Maker Faire as part of Resistor's booth, as well as at the 2024 Open Hardware Summit. To build the machine, I had to learn laser-cutting from scratch in order to build flat-pack pieces, and to refine my 3D printing skills with the help and experience of fellow members. I am currently exploring parametric 3D design to automate the definition of flat parts that make up the extruder.





The skills and tools I discovered at Resistor have also enhanced my collaboration with the Cuban artist Nestor Sire on his "CubaCreativa" series, which focuses on the innovative uses and reuses of available materials that evolve as a response to resource scarcity and socioeconomic limitations. Most recently, I applied laser-cutting, electronic assembly, and 3D modeling techniques I learned from Resistor to help Sire create a cardboard computer chassis for an art exhibition in Amsterdam's Rijksakademie.



Finally, since becoming a father last year, I have been working on a totally different project with the help of Resistor's tools and communal expertise: an open-design wooden high chair based on the Tripp Trapp design that grows with a child. After many hours in Resistor's woodshop and conversations with fellow members who are much more experienced than me, I have gained a whole new skill set that I will put to use in other projects in the future.