

# INNOVATION

## Universidad del Valle de Guatemala

Mayarí is an energetic young woman who has always had a curiosity about the way machines work. Growing up, Mayarí dreamed of becoming a future innovator, transforming society through the engineering design process. Excited to pursue her goal, she began her journey at UVG in 2012. Mayarí choose to study



at UVG because it emulates U.S. ideas and values, and has pioneered creative spaces for development in Science, Technology and Innovation.

Mayarí is part of the first cohort of students at UVG who will graduate with a double engineering major in both mechanical engineering and industrial engineering. In 2016, Mayarí was invited to visit the Massachusetts Institute of Technology to present UVG's Makerspaces project at the International Symposium on Academic Makerspaces. She was the only undergraduate student to present alongside MIT and

other university Ph.D. candidates, as well as professors. In 2017, Mayarí was awarded a fellowship presented at ISAM at Case Western Reserve University.

Mayarí was also invited to participate in the International Development Design Summit to design and innovate prototypes geared towards creating sustainable homes in the highlands of Guatemala. She worked with several indigenous leaders to create an invention to decrease carbon emissions and household pollution by transforming carbon-fueled ovens used for heating traditionally indigenous "temezcals". These structures are used to heat water into steam that can be used for bathing. Mayarí and her team took on this project to make the process more efficient and environmentally friendly.