



ABOUT ME

Mechanical Engineering student at the Technion, drawn to engineering and living systems at the smallest scales. My goal is to research **micro-biorobotics** — microscale robots informed by biological principles.

CONTACT

 [linkedin.com/in/sarah-araide](https://www.linkedin.com/in/sarah-araide)

SKILLS

Engineering Design: SolidWorks, GD&T, system integration

Programming: Python

Tools: Microsoft Office, technical documentation

Strengths: analytical & creative problem-solving, teamwork, leadership

LANGUAGES

Arabic — Native

English — Full professional

Hebrew — Professional working

HONORS

1st place, National English Research Presentation Competition (2019) — self-produced research video.

First Aid & Sign Language Level A (2022).

Sarah ARAIDE

MECHANICAL ENGINEER

EXPERIENCE

CECE'S PUBLISHING HOUSE

2026 – Present

Founder

Founded an independent press and published an illustrated poetry collection (116 pp.), managing the full production: editing, illustration, ISBN registration, international printing, budget, and a launch event for 500 attendees.

ASAT — TECHNION STUDENT ASSOCIATION

2025 – Present

Operations Team Member

Support association operations, coordinate tasks, and assist students with day-to-day execution.

OSAMATECH

2017 – 2024

Sales & Social Media Marketing

Served customers, explained technical products, and managed social-media marketing.

PRIVATE TUTOR

2018 – Present

Mathematics & Science

Individual tutoring, adapting explanations to each student's needs.

PROJECTS

WATER ROCKET LAUNCHER — SOLIDWORKS

2026

Course Project — Intro to Graphics & Eng. Design

Two-axis launcher for a pressurized water rocket (3-person team): 360° rotation and adjustable elevation via a worm-and-sector gear drive, with remote release. Owned the rocket-interface subsystem and system integration; all parts designed for 3D printing within a 200 mm build volume.

EDUCATION

TECHNION — ISRAEL INSTITUTE OF TECHNOLOGY

2024 – Present

B.Sc. Mechanical Engineering

TECHNION PRE-ACADEMIC PROGRAM (MECHINA)

2022 – 2023

Graduate

Key coursework: Calculus 1–2, ODEs & PDEs, Physics 1–2, Statics & Mechanics of Solids 1–2, Thermodynamics, Materials Eng., Python.

LEADERSHIP & VOLUNTEERING

YOUNG ADULTS CENTER

2021 – 2022

Project Initiator & Coordinator — Ministry for Dev. of the Periphery

Initiated and led the “Student House” — secured Ministry funding and created a study space for students. Researched, scripted, and presented a suicide-prevention awareness project.

● **Druze Youth Movement** — leadership-training graduate (2019–2021). ● **Maase Center** — equal opportunity (2018).