

Ariana E. Pedersen

Mechanical Engineering student with a collaborative hands-on approach, experience in CAD and mechanical engineering design, and a multidisciplinary background in programming and design

EXPERIENCE

Technion Biomechanics & Robotics Lab – MyFive Project – Mechanical Design

OCTOBER 2020 – AUGUST 2021

Design and manufacture of upper-limb socket for low-cost 3D-printed robotic arm prosthetic. Position involved iterative improvement of design in SOLIDWORKS, planning and conducting experiments, incorporating user feedback, and collaborating with peers.

IDF – 8200 — Research Team Commander

JUNE 2017 – APRIL 2018

Position involved mentoring subordinates, mobilizing peers and managing long-term multidisciplinary projects with multiple departments and partners.

IDF – 8200 — Analyst

AUGUST 2014 – MAY 2017

Position involved researching new technologies and writing programs for problem-solving, data collection and analysis. Decision-making and sole responsibility over a field of research and application of its conclusions.

EDUCATION

Technion, Haifa

OCTOBER 2018 – ONGOING

Bachelor of Mechanical Engineering

Awarded the 2020 & 2021 Gisele Brunhild Awards for excellence in undergraduate studies

IDF

JANUARY 2014 – JULY 2014

Data analysis, programming and communication technology training

Israel Arts and Sciences Academy, Jerusalem

SEPTEMBER 2009 – JUNE 2012

Graduated with honors in Arts and Chemistry dual major

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Haifa

TECHNICAL SKILLS

CAD (SOLIDWORKS)

MATLAB

Simulink

Mechanical Engineering Design

Programming (Python, C)

Data Analysis and simulations (SQL, Excel and proprietary software)

Scientific writing

Editing and proofreading

Proficient with Linux, Mac and Windows

OTHER SKILLS

Project management (short- and long-term)

Public speaking & presentation

Self-instruction

Team administration

Mentoring and workplace deconfliction

Studio Art: Oil painting, sculpture, multimedia

LANGUAGES

English and Hebrew - Native



VISIT MY WEBSITE