

Teodora Milos (she/her)

teomilos16@gmail.com | (857) 298-8159 | Cambridge, MA

EDUCATION

DALHOUSIE UNIVERSITY

Bachelor of Engineering (B. Eng) in Electrical Engineering

Halifax, NS, Canada

Sep 2019 – Dec 2023

PROFESSIONAL EXPERIENCE

TERADYNE

LEAD TEST ENGINEER

North Reading, MA, USA

Feb 2024 – Present

- Debugged DC instrument test equipment from system to component level; working with schematics, Cadence Allegro PCB viewer, and design engineers to isolate faults and characterize failure modes
- Triaged failures to determine root cause as design escapes vs manufacturing defects, driving corrective action to design engineers, DFM, and DFT
- Owning product knowledge transfer and training to Asia manufacturing team
- Developing an AI-powered lab assistant to deliver higher-quality training materials in real-time

AETHERA TECHNOLOGIES

ELECTRICAL ENGINEERING INTERN

Halifax, NS, Canada

May 2023 – Aug 2023

- Planned, configured, and tested SNMP to Modbus gateway registers for data aggregation across radio transmit/receive sites globally by utilizing digital logic
- Developed and conducted test procedures for the Human-Machine Interface (HMI) of a solid-state RF generator, RF modulators, and RF demodulators

NOKIA

HARDWARE ENGINEERING INTERN

Ottawa, ON, Canada

Sep 2022 – Dec 2022

- Performed high accuracy voltage ripple measurements on IP routers and assessed the compliance of power supply noise
- Wrote a Perl script to control the voltage and current characteristics of power supplies
- Utilized Cadence Allegro PCB designer, benchtop test equipment, Matlab, and SMD soldering

GEOSPECTRUM TECHNOLOGIES INC

ELECTRICAL ENGINEERING INTERN

Halifax, NS, Canada

Jan 2022 – Apr 2022

- Utilized digital equalization filters to compensate for sound projector frequency response
- Designed circuits to attenuate the drive signal on a sound projector based on the input current by using comparator registers, assembly code on Atmega328, and integrated circuits
- Created circuits to mimic the voltage output of a pressure sensor at multiple depths

SIEBEN LABORATORY - DALHOUSIE UNIVERSITY

RESEARCH ASSISTANT

Halifax, NS, Canada

May 2021 – Aug 2021

- Designed PCBs using Eagle/KiCad to be used as crucial parts of microfluidic phosphate sensors
- Contributed to the development of a lab-on-chip fish welfare sensor for application in aquaculture using enzyme-linked assay (ELISA)
- Wrote research-related technical documents (LaTeX) and Microsoft Office

RELEVANT PROJECTS

AUTONOMOUS ROBOT

May 2022 – Jul 2022

- Worked closely in a trio to create an autonomous robot for an Electrical Engineering course
- Effectively accomplished the goals of locating and disarming six simulated mines using LEDs, guiding mines to disposal area, and avoiding walls and fake wildlife
- Employed dead reckoning and waypoint navigation via Robot Operating System (ROS), Linux command line, shell scripting, and version control (GIT)
- Used Raspberry Pi 4, LTSpice, CAD modelling software (Fusion 360), a battery system

UNDERWATER REMOTELY OPERATED VEHICLE (ROV)

Sep 2016 – Jun 2019

- Designed an underwater ROV that qualified for the Marine Advanced Technology Education (MATE) International ROV Competition, acting as team lead and software/hardware developer
- Designed the full system electrical architecture including power distribution, fuse sizing, ESC-driven thruster control, and watertight enclosure wiring
- Utilized Python, C, and multithreading to perform maneuvers including pitch, roll, yaw, forward/backward and up/down, in addition to controlling the claw, winch and mini-ROV
- Employed Raspberry Pi3 and Atmega328P to help control a linear actuator, BlueRobotics Thrusters, cameras, lighting, and buoyancy tubes

NOVEL INTELLIGENT IRRIGATION SYSTEM

Jan 2018 – May 2018

- Created an award-winning smart irrigation system for the Canada-Wide Science Fair
- Developed using Python 3, Raspberry Pi 3, Matlab Simulink, and I2C communication
- Successfully achieved objectives of conserving water, reducing fertilizer use, managing acidity, and minimizing labor across any plant culture
- Capable of dynamic responses based on multiple sensors, including temperature, barometric pressure, moisture, sunlight, and pH levels
- Utilized analog to digital converters, GPIO expansion boards, relays, and amplifiers

CERTIFICATIONS

- **LEAN SIX SIGMA YELLOW BELT** (Jul 2024): ASQ - World Headquarters
- **LASER SAFETY AWARENESS** (May 2024): Laser Institute of America

VOLUNTEERING & EXTRA CURRICULARS

- **MEMBER** (Nov 2025- Present): Toastmasters International
- **PRESIDENT** (May 2021 – Dec 2023): Dalhousie University Women in Engineering Society
- **MEMBER** (May 2021 – December 2021): Dalhousie University CubeSAT Satellite Team
- **MENTOR** (February 2021– April 2021): COVE's Young Women in Ocean Tech Program
- **TEAM LEAD & SOFTWARE DEVELOPER** (2016 – 2019): South Shore Robotics

AWARDS & HONORS

- **NSERC UNDERGRADUATE RESEARCH AWARD** (2021): Most prestigious research award in Canada
- **DEAN'S LIST, SEXTON SCHOLAR** (2020 - 2021): GPA > 3.85 | top 8-10% of engineering students
- **INTERNATIONAL COMPETITOR** (2019): MATE ROV Competition | representing South Shore Robotics
- **NATIONAL BRONZE MEDALIST** (2018): Canada-Wide National Science Fair