**Robert E. Tomenchok III**

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# Objective

To further my knowledge of business and utilize skills learned in electrical engineering classes to improve my abilities as an employee and find the area in industry where I can be most productive.

# Education

Rochester Institute of Technology (RIT)

B.S. Electrical Engineering, expected graduation May 2022

Minor in American Sign Language (ASL)

# Skills

Proficient: Oscilloscopes, Multimeters, Network Analyzers, MSP430G2553, Altera FPGA, Vector CANoe, Microsoft Word, Excel

Experienced: C, C++, Assembly, Code Composer Studio, Quartus II, LTSpice, PSpice, MATLAB, Verilog, VHDL, SolidWorks, SAP, 𝐼2C, SPI, UART, Teensy, Sensing

# Classes

Embedded Systems with Lab • Analog Electronics with Lab • Robotic Systems with Lab • Circuits I & II • Digital Electronics • Digital

Systems I & II • Electromagnetic Fields and Transmission Lines • Calculus I-III • Differential Equations • Complex Variables • University

Physics I & II • Introduction to Semiconductor Devices • Beginner Sign Language I • History of Deaf Culture • Visual Experience of Deaf Culture

# Work Experience

Marquardt Switches R&D Lab Intern Cazenovia, NY (January 2019 – August 2019)

* Assist to perform chamber tests, build prototypes and failure analysis of fobs, gateways and other electromechanical switches, all of these switches were to directly help engineers and project managers
* Performed testing and safe launching using Vector CANoe of steering wheel switches and fob pairings
* Performed schematic analysis and SMT soldering using proper ESD safety techniques

BAFCO Inc. Assistant Electrical Engineer Warminster, PA (January 2020 – August 2020)

* Assisted in day-to-day product development and design
* Designed an op-amp tester

Tomenchok Farms Lambertville, NJ (2008 – present)

* Assist on family farm with daily care and feeding of animals
* Repaired the brake assembly on a 1976 CASE Backhoe

# Extra Curriculars

Boy Scout Troop 49 (2009 – Present)

* Assistant Scoutmaster, Eagle Scout awarded Sept 30, 2015; Bronze palm awarded April 2016
* Led a group of scouts in a project to renovate the snack shack at South Hunterdon High School: project required scheduling work groups, procuring donations, keeping the project sponsor up to date with a 3-month deadline
* Renovations included: electrical, plumbing, cabinetry, carpentry, roofing, and painting

RIT VEX Robotics Club (2017 – 2020)

* Design and help build the driving and lifting operations of the robot to complete the test in competition
* Went to Regional Competition in West Virginia

RIT Men’s Club Soccer (2016 – present)

* Player (2016 – Spring 2021)
* Coach (Fall 2021 – Present)