

# Chris Trilling

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## SUMMARY

Senior technician with knowledge in 1000, 100, and 10 Mbps Ethernet testing services, Matlab coding, as well as testing equipment such as, oscilloscopes, network analyzers, waveform generators, and packet generators. Recognized for growth in ability to perform testing, troubleshooting, leadership to train new employees, and participation in different IOL working groups.

## EXPERIENCE

### InterOperability Laboratory, University of New Hampshire — *Technician*

IOL HOURLY I — JUNE 2017 - JUNE 2019

IOL HOURLY II — JUNE 2019 - PRESENT

Having been an IOL HOURLY I, it means I have the ability to:

- Perform testing
  - 10Base-T and 10Base-Te
  - 100Base-T PMD and PMD-EEE
  - 1000Base-T PMA and PMA-EEE
- Create reports

In order to be promoted to IOL HOURLY II, I had to show I have the ability to:

- Test and Develop autonomously
  - 10Base-T and Te have been my primary focus in testing and development
- Teach testing to an IOL HOURLY I
  - I've taught 100Base-T PMD and 10Base-T to different people
- Review testing results from IOL HOURLY I
- Interact with customers directly

Other skills I've learned from working at the IOL have been:

- The Agile Method
  - Normally have a sprint every two weeks
    - Usually have one to two testing tasks for each sprint
    - Sprint goals
  - Daily standups
- Technical Skills
  - How to use and adjust Test Equipment
    - Oscilloscopes
    - Network Analyzers (VNA, PNA)
    - Arbitrary Waveform Generators (AWGs)
    - Packet Generators (Smartbits)
  - Matlab Coding and Development
  - Created a Downloadable Test Tool for 10Base Testing
  - How to use Jira, Git, and Bitbucket

## **Hidden Valley Scout Camp, Griswold Scout Reservation — *Assistant Dining Hall Steward***

JUNE 2015 - AUGUST 2016

Hidden Valley is a Boy Scout Camp that runs during the summer. I was a part of the staff at this camp for the Summers of 2015 and 2016 both as an Assistant Dining Hall Steward. The Hidden Valley Scout Camp Staff is known for showing all aspects of the Scout Oath and Law at all times and for their constant leadership of campers. Including staff members that work in the Dining Hall!

### **EDUCATION**

## **University of New Hampshire, Durham NH — *Computer Engineering (B.S.)***

AUGUST 2017 - DECEMBER 2021

### **Related Coursework**

- ECE 541: Electric Circuits
- ECE 562: Computer Organization
  - Assembly Language Programming
- ECE 583: Designing with Programmable Logic
  - Final Project: Creating a Snake Game in C code.
- ECE 649: Embedded Microcomputer Based Design
  - Final Project: Creating a PIR Motion Detecting Circuit that turns on an LED and a buzzer
- ECE 714: Introduction to Digital Signal Processing
- ECE 791, 792: Senior Project
  - Senior Project: IOL Badge Management System
    - Creating an online platform and database for IOL employees to easily tag in and tag out of the lab space.
- CS 415, 416: Introduction to Computer Science I, II
  - Java
- CS 515: Data Structures and Introduction to Algorithms
  - C++

### **ADDITIONAL INFORMATION**

## **Eagle Scout of Bedford Troop 5 — 11/02/16**

- Eagle Project
  - Built new picnic tables to replace broken and worn down picnic tables at Heritage Trail in Bedford
- Patrol Leader for 1 year
- Senior Patrol Leader for a week at Camp Bell at the Griswold Scout Reservation

## **Black Belt of Manchester Karate Studio — 8/04/10**

## **Marching Band, Trumpet — *Fall 2013 - Fall 2021***

- Section Leader: Senior Year of High School