

David Scarborough

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As a software engineer with a passion for creating, I focus on learning and utilizing technologies that will improve my life and the lives of people around me. I'm currently working as a Networking Technician testing device compliance to IPv6 standards, along with developing various useful and effective applications.

EDUCATION

University of New Hampshire - Durham, NH
B.S. in Computer Science

August 2021 - May 2025

EXPERIENCE

UNH Interoperability Laboratory - Durham, NH

September 2022 - Present

IPv6 Testing Technician

- Testing hosts and routers from various companies like Cisco and Microsoft to certify device interoperability and conformance to IPv6 Ready Logo and NIST USGv6 programs
- Utilizing Agile methodologies to ensure device reservations are completed within a one-month window and additional business goals are met
- Communicating with customers to answer questions, provide time estimates, and solve technical issues
- Collaborating every day with tight-knit team of technicians to enhance quantity and quality of product testing

UNH Information Technology - Durham, NH

September 2021 - May 2022

Computer Lab Technician

- Managed ~15 computer labs and nearly all public printers on campus
- Solved technical issues to provide accessibility and ease of use, interacting with 50 Technology Enhanced Teaching and Learning Spaces in the University System

Trek Bicycle - Warwick, RI

March 2021 - August 2021

Bicycle Assembler

- Collaborated with team of 5 technicians to build and sell high quality bicycles and refurbish used ones

Yawgoog Scout Reservation - Rockville, RI

Summer 2019

Merit Badge Counselor

- Led individuals to develop skills in specific handicraft areas, facilitating memorable experiences for thousands of kids

PROJECTS

PiRail - Senior Capstone (In Progress) - UNH

September 2024 - Present

Development Team

- Designing and developing a user-centric, mobile-friendly React.js application for a railroad data collection device, combining UI/UX principles with real-time data processing and visualization to accelerate adoption of safe railroads in the U.S.

Eagle Scout - Cranston, RI

December 2020

Troop 66

- Led a 10-person team in the planning, organization, and execution of a black box theater renovation at Mathewson St. Congregational Church, an organization dedicated to serving the homeless
- Achieved Eagle Scout rank, awarded annually to less than 5% of Boy Scouts nationwide

APPLICATIONS

Full Stack Experience

- HTML/CSS/JS
- Node/Express.js
- React.js
- MongoDB
- SQL

Networking Experience

- IPv6/v4
- Routing (Static/Dynamic)
- DNS
- DHCP

Coding Languages

- Java
- Python
- C
- Scala

Methodologies

- Agile
- Git / SVN