

Kevin J. Terwilliger

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<https://github.com/MusicMan0804>

EDUCATION:

The University of New Hampshire, Durham, NH 2021 - 2025: Bachelor of Science: Computer Science

EXPERIENCE:

UNH Interoperability Lab (IOL), Durham NH April 2024 - Present *Senior Software Developer/Test Technician*

- Developed and maintained in-house test tools for Audio Video Bridging (AVB) protocols and Precision Time Protocol (PTP)
- Led development efforts for the Violett Advanced Physical Layer (APL) test tool
- Conducted generalized Precision Time Protocol (gPTP) testing on customer devices, including audio video bridges and automotive systems
- Communicated directly with customers to address testing procedures, device specifications, and team inquiries
- Participated in the annual Hackathon, contributing to the resume binder project
- Utilized Atlassian products, including Jira, Confluence, and Bitbucket as part of the primary workflow

Virtual Learning Academy Charter School, Exeter, NH October 2021 - April 2024 *Technology Specialist*

- Assisted students, instructors, guardians and other employees with troubleshooting software and hardware issues
- Facilitated the distribution and return of company devices
- Provided first-tier support via live chat, email, and phone calls
- Conducted research and testing to resolve issues in a timely manner while under pressure
- Developed python scripts to process large student data sets

PROJECTS:

IOL Resume Binder July 2024

- Developed a website for companies to search for potential employees transitioning from the IOL
- Focused primarily on the public-facing front end, including the REST server using JavaScript's express library to query the lab's SQL database based on user specified parameters
- Designed the look and feel of the page using the React framework

Elk's Stash DND Loot Generator Browser Extension January 2024

- Constructed a browser extension which converts a numerical amount of currency into a series of fantasy items of equivalent value using a modified change formula
- Achieved a weekly user base of over 172 users across Firefox, Chrome, and Edge
- Designed visuals with HTML and CSS using the Bootstrap framework, implemented functionality with Javascript, and created pixel art with Gimp

SKILLS:

Programming Languages: Java, JavaScript, HTML5/CSS, C, Python, C#, Scala, Bash, C++

Technical Skills: Git, Agile, React, Microsoft 365, Bootstrap, Universal Modeling Language, (Sequence and Class),

Domain Modeling, Gimp, Atlassian Suite (Jira, Bitbucket, and Confluence), Functional Programming, Jenkins, Microsoft

Azure, Windows, Mac OS, Linux