Timothy Harrold

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EDUCATION

University of Vermont, Computer Science(B.S.), Minor in Music Technology & Business, *2021-Present*

Rochester Institute of Technology, Computer Science(B.S.), Minor in Music & Technology, *2018-2020*

SKILLS

- Languages: HTML, Java, Javascript, C, C++, Python, R, SQL
- Tools: React, CSS, Bootstrap, JQuery, D3, Git, Vim
- Platforms: Windows, Linux, Unix

- Scrum Based Agile Development
- Creative Problem Solving
- Analysis and Troubleshooting
- Effective Communication and Teamwork

EXPERIENCE

University of Vermont   Research Assistant (*Summer 2021-Present*)

- Developed an educational platform with climate change adaptation resources for farmers using React.js
- Met with researchers regularly to discuss project needs and expectations
- Implemented a calculator based on Cost-Benefit Analysis for adaptation practices
- Created pertinent interactive visualizations with D3.js using research data
- Developed visualizations on nutritional outcomes of food and diet diversity using R, RShiny

ReSource, Williston, VT   Computer Technician (*January 2021 - November 2021*)

- Diagnosed and resolved technical, application, and user issues for hardware and software
- Refurbished, upcycled and recycled electronics donations per Vermont E-Cycles guidelines
- Organized and facilitated electronics orders to local and international organizations and charities
- Coordinated with AmeriCorps to mentor/work with students and volunteers

Land Planning Inc, Grafton, MA   Land Surveyor / Technician (*August 2020 - December 2020*)

- Collected and analyzed field data for usage in certified engineering and land survey drawings
- Redesigned and maintained landplanninginc.com with relevant project and service information
- Created several scripts for file organization and formatted project data from various sources
- Drafted plot plans, site plans and as-built plans in AutoCAD

International Data Corporation, Framingham, MA   IT Help Desk Intern (*Summer 2019*)

- Diagnosed and resolved technical, application, and user issues for supported hardware and software
- Designed and implemented a permanent database for assets such as printers, laptops and peripherals
- Documented and resolved support tickets across North America using Zendesk ticketing system

Staples, Westborough, MA   Technology Sales Associate (*2017-2018*)

- Engaged in customer conversations and recommended appropriate hardware and software solutions
- Diagnosed and repaired hardware such as cracked screens, hard drives and memory

TECHNICAL PROJECTS

- Developed a web interface for visually analyzing a user's musical preferences   **JS, D3, JQuery**
- Developed an interactive web-based data visualization of airplane advancement   **HTML,CSS,Bootstrap**
- Created multiple Discord bots for stock monitoring, and server traffic analysis   **Python**
- Built a smart mirror with refurbished chromebook components   **GalliumOS**
- Developed a presentation of data-focused insights on a large set of raw data   **ASA Datafest 2019**

INTERESTS AND ACTIVITIES

- Philosophy
- Psychology
- Musical Instruments

- Music Technology
- Data Visualization
- Data Science