Ryan Laidlaw

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EDUCATION

University of New Hampshire   Expected Graduation May 2026
Bachelor of Science Computer Science
GPA: 3.66 - Dean's List Fall 2022, Spring 2023, Fall 2023, Spring 2024

Intro to Computing, Intro to Computer Science, Intro to IT, Intro to Computer Science II, Programming for Digital Systems, Calculus I & II, Data Structures and Algorithms, Intro to Cybersecurity, Computer Organization and System-Level Programming, Intro to Software Engineering

TECHNICAL SKILLS: PYTHON, VS CODE, HTML, CSS, JAVA, C, MONGODB, AZURE, FLASK, JIRA, BITBUCKET, git

ACADEMIC PROJECTS

THREADING (COMPUTER ORGANIZATION AND SYSTEM-LEVEL PROGRAMMING)   Spring 2024

Developed a program capable of handling multiple tasks simultaneously. It processes a set of text files, utilizing producer threads to transfer the contents of each file into a designated storage buffer. Consumer threads are then generated for each file, and analyze a portion of the buffer's data. These consumer threads compute the frequency of words containing 6 to 50 letters. Finally, the program combines the results from all consumer threads into a histogram, displaying the counts of words with varying lengths on the screen.

Organizational Calendar (Intro to Software Engineering)   Spring 2024

Worked in a group of 3 to develop a web application of a calendar, allowing users to create an account, login, and view their personal calendar. Created backend using MongoDB to store user information, Azure functions to make API calls, Flask and Jinja along with HTML and CSS to create the user interface. Worked using Agile methodology to create the final product.

WORK EXPERIENCE

R&R Landscaping
Crew Member   June 2023 - Present
- As crew leader, performed upkeep of existing landscaping by pruning, trimming, weeding and mulching.

Albertson's Companies: Shaw's Supermarkets
Service Cashier   November 2019 - June 2023
- Customer service representative working directly with customers. Handled price corrections, returns, and customer check-out.

ACTIVITIES

UNH Ski Club   September 2022 - Present
- Risk Manager for ski trips. Includes being CPR certified and certified to handle ski injuries on the mountain.

Summit Sensations Mountaineering Club   October 2019 – Present
- SSMC is an independent mountaineering and adventure non-profit club that provides member-led mountain climbing and adventure activities across North America and Europe.

  www. summitsensations.org

- Member of SSMC team on trips to Mt. Shuksan (2021), Mt. Baker (2022) in North Cascades National Park, Washington State and and Mt. Whitney (2023) in the Sierra Nevada Mountains, California.