

# Mish Wilson

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## EDUCATION

**Accelerated Masters of Science in Computer Science**

*Expected Graduation: May 2025*

**Bachelor of Science in Computer Science**

*May 2024*

**University of Vermont (UVM), Burlington, VT**

*Cumulative GPA 3.89*

## WORK EXPERIENCE

**IT Intern, Burlington Electrical Department, Burlington, VT**

March 2024 – May 2024

- Developed an automated billing system for BED customers, enabling multi-property data aggregation and real-time monitoring of energy usage, supporting corporate alignment with the 2030 Energy Conservation Plan
- Created and maintained cybersecurity documentation and supported IT operations with end-user documentation.
- Assisted in installing, configuring, and troubleshooting computer systems, hardware, and software at BED

**Research Assistant, UVM, Burlington, VT**

November 2023 – Present

- Developed secure protocol for training decision trees and detecting data poisoning attempts in collaboration with faculty.
- Implemented secure multi-party computation techniques in Python, ensuring privacy during distributed computation.
- Presented innovative findings to peers and faculty, contributing to experimentation and validation efforts

**Undergraduate Assistant Teacher, UVM, Burlington, VT**

September 2022 – Present

- Instructed 200 students in Python, Java, C++, Data Structures and Algorithms, and Cybersecurity Principles.
- Initiated the development of a new Introduction to Database course focused on relational databases and SQL
- Provided daily office hours, assisting with debugging code, analyzing algorithms, and course content

**STEM Ambassador, UVM 4-H Extension, Burlington, VT**

September 2021 – Present

- Led hands-on learning activities for over 300 K-12 students in Chittenden County, fostering interest in technology.
- Designed and orchestrated innovative workshops tailored to teach robotics and programming concepts, fostering a generation of future innovators and problem solvers.
- Cultivated invaluable expertise in effectively educating and engaging children and teenagers.

## RELEVANT PROJECTS

**Roomease, Mobile App Development Course Project**

December 2023

- Articulated and directed a project to develop a mobile app for household management, with robust data management.
- Orchestrated tasks and delegated responsibilities within the team, applying agile management principles to ensure efficiency and adaptability.
- Implemented the project using Swift, integrating Firebase for seamless data handling, and ensuring scalability.

**Virtual Casino Game, Advanced Programming Course Project**

May 2023

- Independently developed C++ project, demonstrating problem-solving abilities and high-level proficiency in C++ .
- Designed and implemented a secure login system for user authentication.
- Managed user databases for credentials, financial data, and game statistics.

## SKILLS

C++, Python, Java, C#, Swift, SQL, JavaScript, Microsoft Office (Word and Excel), R, HTML, and CSS, PowerShell

## LEADERSHIP INVOLVEMENT

**Program Director & Board Member, Sky's the Limit Foundation, MD**

September 2021 – Present

- Orchestrated large-scale care package distributions to 100 families in Jamaica's rural areas
- Mentored 12 high school students and provided them with scholarships partially funded by secured sponsors.

## EXTRACURRICULAR

**Member, National Society of Black Engineers (NSBE), Burlington VT**

September 2023 – Present