

# Veronika Potter

✉ veronikakpotter@gmail.com | 🌐 veronikapotter.github.io | in veronika-potter | 🎓 Veronika Potter

## Education

**MS in Computer Science**, Northeastern University Expected Dec. 2025  
• GPA: 3.9/4.0 | Achieved PhD candidacy before leaving PhD program | Khoury Fellowship ('22-'23 and '23-'24)  
**BS in Mathematics and BA in Computer Science**, University of Vermont Jan. 2022  
• Minor: Writing | GPA: 3.9/4.0 | Honors College Scholar | Magna Cum Laude

## Professional Experience

**Doctoral Computer Science Researcher**, Northeastern University – Boston, MA Sept. 2022 – Present

Selected *first-author* publications:

Potter, V., et al. *“The Physical Activity Assessment Using Wearable Sensors (PAAWS) Dataset: Labeled Free-living and Laboratory Accelerometer Data.”* IMWUT '25.

- Collaborated to recruit, clean, and release a dataset (~1TB) capturing activities from 255 diverse participants
- Built quality control tools to flag and document potential data issues, improving overall dataset integrity
- Computed descriptive statistics and created visualizations, highlighting the dataset's utility for future research

[PDF](#) | [Code](#) | [Dataset Information](#)

Potter, V., et al. *“An Evaluation of Temporal and Categorical Uncertainty on Timelines: A Case Study in Human Activity Recall Visualizations.”* IEEE VIS '25.

- Led mixed-methods data collection by designing quantitative surveys and qualitative semi-structured interviews
- Cleaned, stored, and analyzed participant data while maintaining confidentiality under IRB-approved protocols
- Statistically and thematically analyzed participant performance and preferences; presented research at IEEE VIS

[PDF](#) | [Presentation Slides](#) | [Additional Materials](#)

**Associate Software Engineer**, MITRE – Bedford, MA (Hybrid) Feb. 2022 – Sept. 2022

- Contributed C# code (.NET framework), code reviews, and Jira tickets to ship an MVP in an agile environment
- Developed and maintained unit tests, ensuring code reliability and supporting continuous integration

## Mentoring

**Lead Graduate Teaching Assistant (TA)**, Northeastern University – Boston, MA Sept. 2025 – Present

**Class:** CS 4520/5520 – Mobile Application Development (iOS applications)

- Supported students with varying technical and cultural backgrounds by providing one-on-one tutoring in Swift
- Coordinated a team of TAs to provide timely, high-quality feedback, enhancing students' learning experiences

**STEM Mentor**, Linking Engineering to Life – Brattleboro, VT (virtual) Oct. 2020 – Apr. 2021

- Developed and led real-world engineering projects, cultivating an inclusive and supportive learning environment

## Skills

**Data Engineering:** large-scale data collection, dataset documentation, ETL, and database design.

**Analysis:** wrangling and cleaning (Pandas), statistical and thematic analysis, and visualization (Matplotlib).

**Coding Languages:** Proficient in Python. Past experience in C#, SQL, and C++.

**Misc.:** interdisciplinary collaboration and communication, Linux/Unix, and version control (e.g., Git).