

EVELYN S. GOROZA

Somerville, MA | (908) 255-9740 | evelyngoroza@gmail.com | evelyngoroza.com | [LinkedIn](#) | [Google Scholar](#)

SUMMARY

Human Factors Engineer with M.S. in Human Factors Engineering and hands-on experience in medical device usability research and FDA-regulated clinical trials. Skilled in formative and summative usability testing, behavioral study design, task analysis, and regulatory documentation. Contributed to FDA 510(k) clearance of Dexcom G7 CGM; co-author on peer-reviewed publications in *Diabetes Technology & Therapeutics* and *Diabetes, Obesity and Metabolism*.

EDUCATION

M.S. Human Factors Engineering, Tufts University, GPA: 3.97

August 2025

B.S. Biology, Northeastern University, GPA: 3.8

May 2021

RELEVANT EXPERIENCE

Clinical Research Coordinator — Joslin Diabetes Center / Harvard Medical School

May 2021 – Feb 2023

- Coordinated Dexcom G7 Pregnancy Study (NCT04905628): Pivotal trial with 105 pregnant women; contributed to FDA 510(k) clearance (Dec 2022)
- Ensured full IRB and FDA regulatory compliance (FDA 21 CFR Part 11, GCP) across multi-site studies
- Supported Omnipod 5 pivotal trial (N=240) contributing to FDA clearance (Jan 2022); managed regulatory documentation
- Co-author on publications in *Diabetes Technology & Therapeutics* (Polsky et al., 2024) and *Diabetes, Obesity and Metabolism* (Riveline et al., 2026)

Graduate Researcher — Master's Thesis — Tufts University

Feb 2024 – Aug 2025

- Designed and conducted behavioral study (N=189, 567 observations) measuring human-automation trust calibration using custom Unity simulation
- Developed novel 'Use-in-Range' metric adapted from CGM technology to quantify calibrated use, misuse, and disuse—applicable to medical device user behavior analysis
- Managed IRB protocol, counterbalanced experimental design, and end-to-end data collection; validated with SEM in R
- Published at ACM CHI 2025 AutomationXP Workshop (CEUR Workshop Proceedings)

UX Researcher & Designer — ORBIT Project (NSF #2318191) — Tufts CEEO

May 2024 – Apr 2025

- Led iterative usability testing and co-design sessions with special education teachers for accessible robot-programming interface
- Developed formative usability protocols, moderator guides, and task analysis documentation; iterated based on pilot feedback
- Co-authored peer-reviewed publications for ASEE 2025 and IEEE FIE 2025

SELECTED PUBLICATIONS

Riveline, J.P., et al. (2026). Psychosocial outcomes among adults with type 1 diabetes using a tubeless automated insulin delivery system. *Diabetes, Obesity and Metabolism*. [Co-author]

Polsky, S., et al. (2024). Performance of the Dexcom G7 CGM system in pregnant women with diabetes. *Diabetes Technology & Therapeutics*, 26(5). [Acknowledged]

Goroza, E., et al. (2025). Quantifying calibration: Bridging trust and reliance in automation. *ACM CHI AutomationXP Workshop*. [First author]

TECHNICAL SKILLS

Human Factors: Formative & summative usability testing, task analysis, heuristic evaluation, cognitive walkthrough, user interviews, survey design & validation, mixed-methods research

Regulatory: IRB protocol management, FDA 21 CFR Part 11 compliance, GCP, clinical trial coordination, REDCap

Analysis: R (lavaan, tidyverse), Python, SPSS, Qualtrics, structural equation modeling (SEM)

Design: Figma, Unity (C#), Adobe Creative Suite, physical prototyping

CERTIFICATIONS & AFFILIATIONS

CITI Human Subjects Research | EMT (Northeastern, 2019) | BLS (AHA)

Human Factors and Ergonomics Society (HFES) | ACM SIGCHI | IEEE