

REBECCA TAFETE

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EDUCATION

Georgia Institute of Technology

Atlanta, GA

Master of Science in Computer Science

January 2023 – December 2023

Specialization: Human-Computer Interaction

GPA: 4.0/4.0

Project: Research with the Wellness Technology Lab

Bachelor of Science in Computer Science

August 2019 – December 2022

Concentrations: People and Information Internetworks

Highest Honors/summa cum laude

SKILLS

Languages & Frameworks: Java, Python, C, C++, MATLAB, JavaScript, TypeScript, SQL, React, FAST Web Components

Tools & Concepts: Git, CI/CD, AWS, Docker, Kusto/Azure, Figma, Data Structures, Algorithms, Object-Oriented Programming, Agile

WORK EXPERIENCE

Microsoft, Redmond, WA

July 2024 – July 2025

Software Engineer: Microsoft AI

- Developed and maintained front- and backend features for a major Microsoft Network (MSN) content feed on Windows desktop using TypeScript and custom web components
- Collaborated with designers, project managers, and other developers in org-wide MSN rebrand effort; implemented interactive MSN icon within content feed and integrated backend logging/telemetry to track user interaction
- Led a frontend accessibility development initiative dedicated to ensuring compliance with accessibility guidelines (WCAG and EAA) by fixing accessibility issues and coordinating cross-team efforts to address partner-owned bugs
- Leveraged AI tooling (e.g., Copilot in VSCode) to automate tasks and streamline development workflows
- Designed and ran backend experiments to debug API telemetry issues, boosting system reliability and user experience at scale
- Served in on-call rotation monitoring live system health and supporting daily CI/CD deployments with Azure DevOps, triaging bugs, mitigating incidents, and leading scrum meetings
- Wrote unit and integration tests to ensure code reliability and CI stability

Microsoft, Redmond, WA

May 2023 – August 2023

Software Engineer Intern: Core UX

- Designed and implemented a custom component using Microsoft's FAST component framework and TypeScript
- Injected mock API responses to test telemetry and overall integration across Microsoft/Windows canvases
- Collaborated with designers, product managers, and engineers in an agile environment to design and implement software features, presenting prototypes and results to cross-functional stakeholders

Microsoft, Redmond, WA

May 2022 – August 2022

Software Engineer Intern: Core UX

- Learned about creating custom web components and web-based experiences using Microsoft's FAST Components framework
- Designed and implemented a background image experience that displays images and information for current events
- Collaborated with designers and product managers to ensure that the experience met user and business objectives
- Presented project (including prototype walk-through) to engineers, engineering/product managers, and business administrators

Goldman Sachs and Co., Dallas, TX

June 2021 – August 2021

Software Engineer Intern: Database Security

- Worked on relational databases (PostgreSQL on AWS Aurora database management system) with Java backend systems
- Developed a Java-based proof of concept for secure access control on Amazon Aurora PostgreSQL, contributing to cloud migration strategy and strengthening database security
- Communicated findings and justified software design decisions to managers and engineers across multiple regions worldwide

PROJECTS & RESEARCH

Wellness Technology Lab

August 2022 – December 2023

Student Researcher

- Processed and analyzed multimodal survey data with Python (pandas, NumPy, NLTK) to identify patterns in text and image responses.
- Built AI/NLP scripts using NLTK for sentiment analysis and pattern extraction from text and image data.
- Communicated research findings through written reports and presentations, including poster presentation at the Georgia Clinical and Translational Science Alliance conference