

Gurleen Kaur Samra

gurleenksamra@gmail.com | (415) 572-1792 | gurleenksamra.com | Seattle, WA • San Francisco, CA

EDUCATION

University of Washington

Bachelor of Science in Informatics

September 2023 – Present

Expected Graduation: June 2027

Relevant Coursework: Data Structures and Algorithms, Design Methods, Databases and Data Modeling, Product Management, Client-Side Development, Server-Side Development, Search and Recommender Systems

EXPERIENCE

Software Engineering Intern

NVIDIA

Santa Clara, California

June 2026 – August 2026

- Built a Python-based evaluation framework for AI-assisted infrastructure diagnostics, scaling test coverage to 200+ expert-validated cases and enabling comparisons across multiple AI agents.
- Developed automated scoring methods to evaluate diagnostic accuracy, evidence grounding, reliability, and latency, enabling consistent and reproducible performance assessments.
- Instrumented diagnostic pipelines with stage-level tracing and error monitoring to identify root causes of failures across models, data ingestion, and evaluation infrastructure.
- Built an interactive HTML/JavaScript dashboard with per-case drilldowns, performance visualizations, and release comparisons, enabling engineers to investigate failures and track AI agent reliability.
- Extended a Kubernetes-native evaluation framework by integrating additional diagnostic systems through containerized services and APIs, enabling standardized benchmarking.

PROJECTS

Sprout (In Progress) – Next.js, React, TypeScript

October 2026 – Present

- Building a responsive assignment dashboard using Next.js, React, and TypeScript, supporting task creation, editing, completion tracking, and synchronized calendar views.
- Developing TypeScript scheduling logic that recommends work dates ahead of official deadlines based on assignment priority and daily workload.
- Implementing browser-local persistence to retain assignments and completion state across sessions while developing Canvas synchronization that preserves manual scheduling changes.

LEADERSHIP

Graphics Director

Society of Women Engineers, University of Washington

Seattle, Washington

October 2024 – Present

- Creating cohesive graphics for 50+ SWE events, growing social media engagement through consistent branding.
- Designing monthly newsletters, promotional posters, and merchandise using Canva and Figma in alignment with SWE's branding guidelines.

Electrical Department Committee Member

E-Truck, University of Washington

Seattle, Washington

October 2024 – January 2025

- Assisted with component documentation for a student-led electric truck conversion project.
- Participated in team discussions and design reviews to learn about electrical systems and project development.

SKILLS

Programming Languages:

Python, Java, JavaScript, TypeScript, SQL, R, HTML/CSS

Frameworks:

React, Next.js

Tools:

Git, GitHub, GitLab, Azure DevOps, Figma