

# Sureen Heer

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## EDUCATION

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### Stanford University

Stanford, CA

*Bachelor of Science and Master of Science in Computer Science*

*Sep. 2021 – May 2026*

- GPA: 3.9/4.0
- Relevant Coursework: Machine Learning, Computer Vision, Natural Language Processing, Reinforcement Learning, Data Structures & Algorithms, Operating Systems, Design & Analysis of Algorithms, Computer Networking
- Planned Coursework: Computer Security, Graphics, Parallel Computing

## EXPERIENCE

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### Computer Science Research Intern

June 2024 – Present

*Stanford University*

*Stanford, CA*

- Implementing features for STORM, an interactive knowledge curation interface with LLMs to improve data retrieval and user interaction

### Data Analyst Intern

June 2023 – Sep. 2023

*Valuenex*

*Palo Alto, CA*

- Accelerated material discovery by 250% by fine-tuning and inserting embeddings into an LLM using Python for proprietary atomistic simulation software
- Designed a Figma prototype to modernize client's website, improving user engagement by 30%
- Developed a Python-based startup finder tool integrating Crunchbase and patent data, aiding VCs in identifying promising startups

### Software Engineer Intern

June 2022 – Aug. 2022

*Phenomena*

*Remote*

- Developed interactive JavaScript simulations for STEM education, increasing student engagement by 35%

### Product Management Intern

Mar. 2021 – Sep. 2021

*Fiveable*

*Remote*

- Improved internal search engine and developed a new bookmarking system, enhancing search efficiency by 50%
- Streamlined navigation flow by 200% and enhanced user experience through 15 in-depth interviews and trend analysis using event segmentation, funnel, and retention analysis

## PROJECTS

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### PetrarchGPT | *Python, OpenAI API*

Sep. 2023 – Dec. 2023

- Developed a semantic search engine that allows users to determine similarities between input text and Petrarch's texts and generate an image of the closest Petrarch text

### Photo-Sharing App | *React, MongoDB, Express.js, Node.js, HTML/CSS*

Mar. 2023 – June 2023

- Developed a full-stack web application with the following features: login security, activity status, uploading photos, liking and commenting, user profiles, close friends list, dynamic feed

## TECHNICAL SKILLS

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**Languages:** Python, C/C++, JavaScript, HTML/CSS

**Frameworks and Tools:** React, Node.js, Flask, Git/GitHub, MongoDB, Google Cloud Platform, VS Code