Toshali Goel

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I'm a senior at Wellesley College interested in graduate studies in computer science focused in human-computer interaction. I'm interested in the intersection of artificial intelligence and HCI, and its applications for social justice and mitigation of implicit biases.

Education

Wellesley College — Wellesley, MA   **May 2023**
B.A. Computer Science, English; GPA: 4.0/4.0

Completed Courses: Human-Computer Interaction, Databases with Web Interfaces, Data Structures, Computer Graphics, Introduction to Front-End Web Development, Digital Imaging, Computing for the Socio-Techno Web, Digital Imaging, Photography I, Introduction to Computer Programming and Problem Solving, Computer Networks
In-Progress Courses: Tangible User Interfaces, Fundamental Algorithms, Foundations of Computer Systems, Artificial Intelligence, Theory of Computation, Distributed Computing

Skills

- HTML, CSS, JavaScript, SQL, Python, Java
- Product strategy, user research, data analysis
- Prototyping, wireframing, UX Design (Figma, InVision, Balsamiq)
- Adobe Creative Cloud Suite

Projects

Senior Honors Research Thesis | 9/2022 – Present
- Studying bias in large language models through qualitative analysis of text generative tools, for the creation of inclusive personas for HCI prototyping.
- Accepted position paper and research poster at the HCAI Workshop at NeurIPS 2022.

Elective Course Recommendation Web Application | 09/2021 – 03/2022
- Created an application to match students to CS courses that match their needs.
- Led the databases & web interfaces team; designed and implemented entire user interface as well as much of the back-end database structure and functionality. Organized regular team progress check-ins, delegated tasks, and kept all project efforts on track.

Mobile Application Design: BudLab Productivity App | 06/2021 – 08/2021
- Identified user pain points in the WFH climate to ideate a student productivity app.
- Conducted 5+ user research interviews, created empathy maps & personas, designed wireframes and eventually alpha and beta prototypes with user feedback at every step of the process.

Experience

Undergraduate Student Researcher | MIT Media Lab | Cambridge, MA | 02/2021 – 09/2022
- **Project Us** | Fluid Interfaces Research Group
  - Worked as primary front-end web developer on "Project Us," a tool which uses machine learning to analyze conversational empathy. Implemented several new features to improve user experience, and redesigned entire user dashboard for increased engagement and ease of understanding.
  - Responsibilities also included product strategizing &designing, UX writing, and client interfacing.
- **Invisible Variables, Antiracism and Technology Design** | Space Enabled Research Group
  - Worked with 6 students to create a workshop on discrimination; one of 2 invited to return to "Invisible Variables," now focused on structural inequities of identity and race in COVID-19.

Teaching Assistant | Wellesley College Computer Science Department | Wellesley, MA | 01/2020 – 09/2021
- TA for course "Computing for the Socio-Techno Web," specializing in fundamentals of front-end development. Helped 30+ students construct accessible websites, graded all assignments, assisted with in-class coding exercises, and held weekly office hours.
- Participated in faculty meetings to discuss curriculum development and student progress; only TA of 4 to be requested for private, individualized sessions by 2 students. Invited back to TA for 300-level (most advanced) course in Computer Graphics for Spring 2022.

President | Wellesley in Product | Wellesley, MA | 04/2022 – Present
- President of the 3rd-ever board of Wellesley College's only organization focused on preparing students for product and UI/UX roles.
- Responsibilities include managing a team of 10+ people to organize professional development events and help create a community of product-minded folks on campus. Previously, in charge of events and designed and implemented website for annual designathon.

Head Managing Editor | *The Wellesley News* | Wellesley, MA | 04/2022 – Present
- In-charge and point-of-contact, work with a team of 2 other managing editors to oversee and manage all aspects of newspaper production including pitching, writing, editing, interviewing, layout, advertising, and production; promoted from Opinions Editor.