



M.S. student studying Computer Science with a specialization in Machine Learning at Georgia Tech, with an acute interest in responsible AI, machine & deep learning and software development and engineering. I'm a committed individual seeking roles that will allow me to use and sharpen my programming and problem-solving skills for real-world applications of AI.

Education

Georgia Institute of Technology — Atlanta, GA

May 2025

M.S., Computer Science

Wellesley College — Wellesley, MA

May 2023

B.A., Computer Science with Honors, English; *summa cum laude*

Skills

- Python, Go, Java, JavaScript, C, SQL, HTML, CSS, Flask
- NumPy, Scikit-Learn, SciPy, Pandas, Matplotlib, Seaborn, Keras, TensorFlow
- Data preprocessing, feature extraction & scaling, model evaluation, PCA
- Software engineering, web application development & deployment; CI/CD practices
- ML algorithms including k-means clustering, random forests, logistic regression, SVMs, HMMs, and neural networks
- Version control with Git, client-server network setup on AWS

Projects

Senior Honors Research Thesis | 09/2022 – 05/2023

- Conducted comparative analysis of ~40 designers' experiences with human-AI collaborative persona creation and ideation, as opposed to traditional human-human collaborative methods. Published at: <https://repository.wellesley.edu/object/ir1977>.
- Accepted position paper and research poster at the HCAI Workshop at NeurIPS 2022; accepted paper at CHIWORK 2023.

ML Text Classification for Analyzing Helpful and Unhelpful Words in Amazon Reviews | 05/2023

- Built a logistic regression classifier model using the Bag of Words approach to analyze words associated with helpfulness; trained, validated, and tested on a dataset of ~100k reviews.
- Conducted quantitative and qualitative analysis to determine broad sentiment of helpful and unhelpful words; found correlation between positive word sentiment and perceived unhelpfulness.

Elective Course Recommendation Web Application | 09/2021 – 03/2022

- Developed an application to match students to CS courses using Flask with Python and HTML/CSS templating with Jinja2.
- Led the databases & web interfaces team; designed and implemented entire user interface adhering to RESTful API as well as much of the back-end SQL database structure and Python functionality. Organized regular team progress check-ins, delegated tasks, and kept all project efforts on track.

Experience

NSF International Research Experiences for Students (IRES) Intern | LMU Munich | Munich, Bavaria, Germany | 06/2023 – 08/2023

- Created a chatbot for physics education, built on top of ChatGPT API; conducted a study with 100 high school students comparing the marginal educational value added by priming the chatbot with various internal system messages. Developed and deployed all chatbot versions in 1 month, followed by experimentation and data collection and ongoing data analysis. Advised by PI Dr. Albrecht Schmidt.

Undergraduate Student Researcher | MIT Media Lab | Cambridge, MA | 02/2021 – 09/2022

- ProjectUs | 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.
- InvisibleVariables, 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 – 08/2023

- TA for advanced-level Computer Graphics course; helped 20+ students learn to create graphics and animations in three.js by holding weekly office hours and online help.
- TA for introductory "Computing for the Socio-Techno Web" course focused on fundamentals of front-end development and ethics of computing. Helped 30+ construct accessible websites, graded all assignments, assisted with in-class coding exercises, and held weekly office hours; only TA to be requested for individualized sessions. Participated in faculty meetings to discuss curriculum development.

President | Wellesley in Product | Wellesley, MA | 04/2022 – 05/2023

- President of the 3rd-ever board of Wellesley College's only organization focused on preparing students for product-focused tech roles.
- Responsibilities included managing a team to organize professional development events. Annual designathon event saw a 50% increase in participant attendance, as well as a 100% completion and submission rate.