

Sarah Fedorchak

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EDUCATION

The University of Texas at Austin, Austin, TX May 2026
Bachelor of Science in Computer Science, Minor in Business GPA 3.8
Relevant Coursework: Data Structures, Computer Organization & Architecture, Operating Systems, Machine Learning

SKILLS

Programming Languages: Java, Python, C; (Familiar) ReactJS, JavaScript; (Novice) HTML, CSS
Technical Tools: Experienced with Visual Studio Code, GitHub, Figma, & Microsoft Word, PowerPoint, Excel

WORK EXPERIENCE

Department of Computer Science at The University of Texas at Austin, Austin, TX August 2024 – Present
Undergraduate Teaching Assistant

- Conducting weekly office hours to provide assistance with coding projects and clarify course concepts for 300+ students
- Delivering feedback and code reviews on weekly Python coding projects covering topics in data structures and algorithms

Huntsman Corporation, The Woodlands, TX May 2024 – August 2024
Data Analytics Intern

- Participated in a Proof of Concept (PoC) to demonstrate the capability and value of AI within the Global IT Department using IBM's watsonx platform and natural language processing
- Developed a digital assistant chat bot leveraging data from ServiceNow to automate and optimize the classification and categorization of incident and ticket requests
- Enhanced user experience and operational efficiency by reducing the need for manual lookup through extensive catalogs, thus accelerating incident response time

PROJECTS

"PlantIt Green" - *Texas Convergent (2023)*

- Developed a web scraping algorithm to compile an extensive database of information on 1000+ plant species, focusing on sustainability, water conservation, and sunlight requirements
- Implemented a recommendation algorithm that selects optimal plants for users based on their unique inputs, ensuring efficient resource use and garden sustainability
- Collaborated on the front-end using ReactJS, following Figma designs to create a simplistic, user-friendly interface

"LapSim" - *Longhorn Racing (2022-2023)*

- Collaborated on a large code base to predict lap speed of the electric vehicle by analyzing varying sensitives and inputs
- Integrated aerodynamic elements into the simulation, including data for wings, undertray, nosecone, and sidepods

CAMPUS INVOLVEMENT & ACTIVITIES

Texas Convergent - *Sustainability Tech Member* January 2023 – Present

- Collaborated in teams with software engineers, business students, UI/UX designers to develop an MVP mobile app
- Experienced the SDLC by building and designing MVPs, crafting business proposals, and delivering pitches with a hands-on, case-based team structure focused on both mobile and web application development

Women in Computer Science - *Member* August 2022 – Present

- Participating in outreach, professional development, academic initiatives, and social events to support and encourage women's participation in technology
- Took part in technical workshops covering a wide range of topics, including coding competitions and app development

helloFinance Virtual Summer Series - *Selected Participant* July 2024

- Participated in a two-week virtual series that included 15+ hours of programming across 6 nights focused on an introduction to financial services, specifically asset, wealth, and investment management
- Engaged with professionals from 17 firms, including Goldman Sachs, Morgan Stanley, and BlackRock as well as a lateral network of 1500+ students from over 300 schools across the country
- Added to my career prep toolkit through completing training on company research, in-person and video interviews, resume development, and telling my unique story and experience through the "quick pitch" process

HONORS

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- University Honors: Fall 2022, Spring 2023, Fall 2023, Spring 2024