

Sherry Gong

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EDUCATION

University of Illinois at Urbana-Champaign

Aug. 2023 - May 2026 (expected)

Bachelor of Computer Science, Minor in Business | GPA 3.84/4.00

Relevant Coursework: Data Structures, Discrete Structures, Computer Architecture, Software Design Lab, Linear Algebra with Computational Applications, Probability and Statistics for Computer Science, Numerical Methods I

SKILLS

Coding Languages: Java, C++, Python, SQL

Frameworks and Tools: Flask, Git, Pytorch, Pandas, Selenium, SentenceTransformer, Docker, NumPy

Artificial Intelligence: LLM Fine-tuning, Retrieval-Augmented Generation, Sentence Transformers, Streamlit

Web Development: React, Next.js, JavaScript, TypeScript, CSS, HTML5

RESEARCH EXPERIENCE

Undergraduate Researcher, University of Illinois at Urbana-Champaign

Sept. 2024 - Present

Dr. Koustuv Saha, Assistant Professor of Computer Science, Interactive Computing

- Building AI chatbot tailored to support online mental health with SentenceTransformer, Pytorch, and HuggingFace
- Implementing and optimizing RAG-based Mistral model using dataset of 100k+ online posts
- Designing interface for human subject interaction using Streamlit, enabling survey administration and data collection
- Conducting efficacy evaluation through human subject surveys

Intern Researcher, University of Illinois at Chicago

May 2021 - Dec. 2021

Dr. Ying Liu, Associate Professor of Chemical Engineering, Nanoparticles

- Assisted in experiments related to the medical applications of nanoparticle technology
- Contributed to research paper editing and proofreading for journal submission

PROJECTS

[Sunrise Alarm](#), Personal Project

Dec. 2024 - Present

- Developing sunrise alarm clock with color changing background using React, Next.js, TypeScript, and CSS
- Actively working on adding new features, like supporting fullscreen and customization

[Drive Doctor](#), Software Design Lab Project

Aug. 2023 - Dec. 2024

- Worked with team of 3 to develop a Google Chrome extension for efficient Google Drive file management and organization, using HTML, CSS, JavaScript, and Python
- Linked Python backend containing Google OAuth to frontend with Flask-based RESTful API server

[Market Cappers](#), Introduction to Computer Science I Honors Project

Aug. 2023 - Dec. 2023

- Collaborated with a team of 4 to develop a market cap guessing game using HTML, JavaScript, and CSS
- Implemented real-time data fetching using Selenium for web scraping algorithm

LEADERSHIP

CS Student Ambassadors/Research Scholars (CS STARS)

Aug. 2024 - Present

- Conducting undergraduate research in the Siebel School for Computing and Data Science
- Leading initiatives to recruit and empower K-12 students and women in computer science

Badminton for Fun, Event Coordinator

July 2024 - Present

- Manage practice areas and enforce rules for a 120+ member club, dedicating 5 hours weekly
- Oversee membership records, event planning and organization, and club logistics

PUBLICATIONS

- *Chemical Engineering Research and Design*: "Micelle morphology phase diagram in a phospholipid, PEGylated lipid, and peptide amphiphiles ternary system", Volume 181: 354-362, May 2022.